

8		7		6		5		4		3		2		1	
D	PAGE	TITLE		PAGE	TITLE		REVISIONS								
	1	Cover page		31	SuperIO : PC87417		REV	DESCRIPTION	DFT	DATE	CHK	DATE	APVD	DATE	
	2	Block Diagram		32	BIOS Flash : 16M Strata Flash		1.0	FAB A							
	3	Blank		33	Serial Port		1.1	FAB B							
	4	Clk Generator : CK408		34	J5 Connector										
	5	CPU: Mobile Intel® Pentium® 4		35	BMC: Sahalee		Intel® NetStructure™ ZT 5515 Value Board Reference Design  PMC SKU - ZT5515A1A (PBA#: A92449-200 ) HDD SKU - ZT5515A1B (PBA#: A93427-200) PB# : A92465-002								
	6	CPU: Mobile Intel® Pentium® 4		36	BMC: BMC Flash and SDR										
	7	CPU: Mobile Intel® Pentium® 4		37	Sensor: ADM 1026										
	8	MCH: Intel® 845D Chipset		38	BMC: IPMB ISOLATION										
	9	MCH: Intel® 845D Chipset		39	Video : LynxEM+ *										
	10	MCH: Intel® 845D Chipset / FSB pull up		40	Video : Mux										
	11	CPU / MCH decoupling		41	Video : Connector										
	12	DIMM : Right angle		42	J1 / J2 connector										
	13	DIMM : decoupling		43	Hotswap Controller										
C	14	DIMM : termination resistors		44	HOTSWAP PAL										
	15	DIMM : termination resistors / decoupling		45	CPU Power Supply										
	16	ICH4		46	V2_5 and VTTDDR power supply										
	17	ICH4		47	V1_5 and VCC_VID power supply										
	18	ICH4 : power/gnd pins and decoupling		48	V1_8 power supply/ IPMB_PWR3 voltage regulator										
	19	ICH4 : pull up resistors		49	IO PAL										
	20	PMC: connector and decoupling		50	Ejector switch										
	21	Ethernet : 82546EB Anvik *		51	ITP connector										
	22	Ethernet : 82546EB Anvik		52	ESD strips										
	23	Ethernet : decoupling		52	Unused Gates										
	24	Ethernet : MUX and Magnetic		54-64	Cross Reference										
	B	25	Ethernet : Magnetic												
		26	Ethernet : Front Panel RJ45												
		27	Backplane J3 & PMC J4 connector												
28		USB connector													
29		IDE connector													
30		FP LED : IDE LED, Health LED													
A															
8		7		6		5		4		3		2		1	

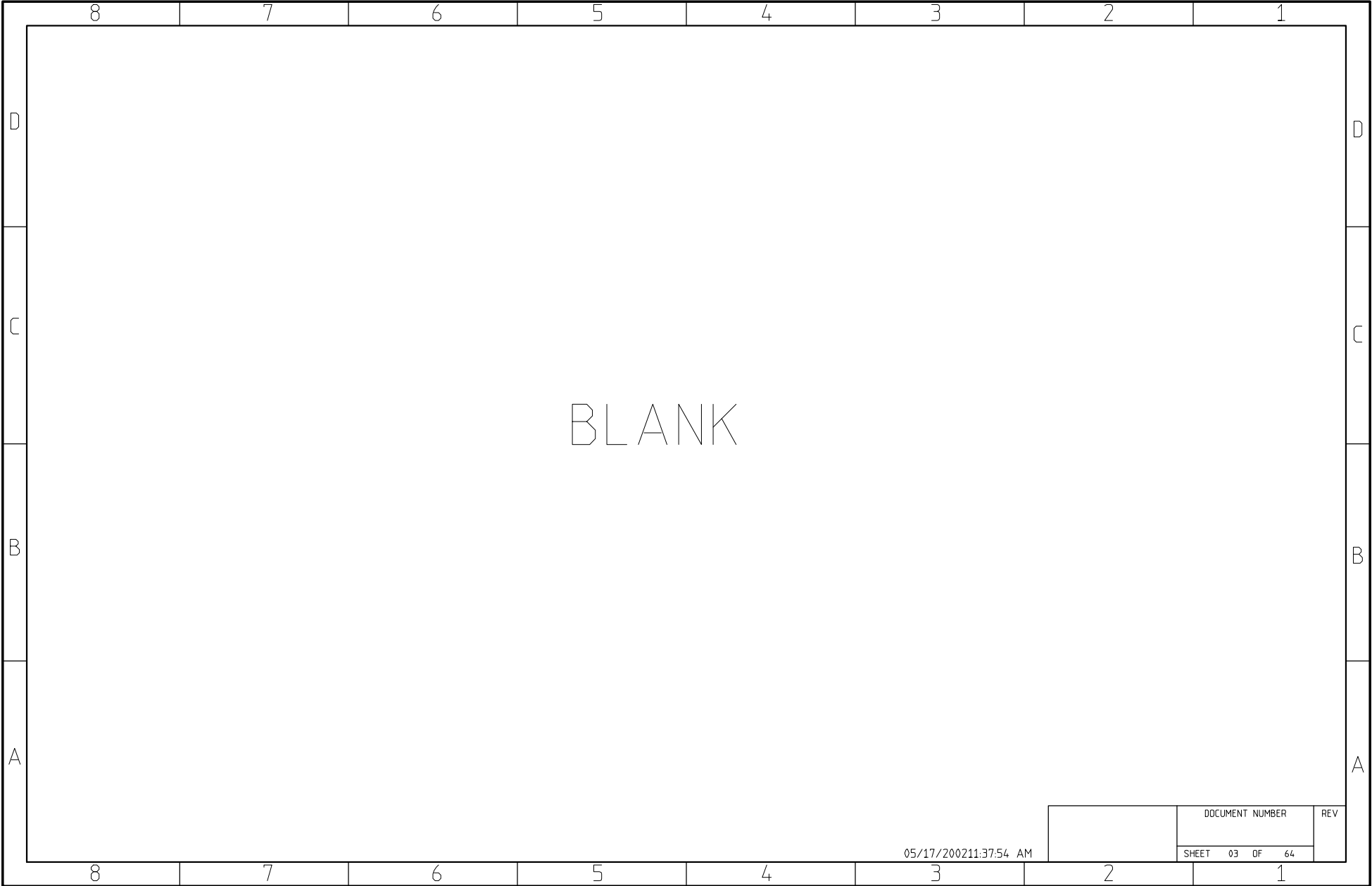
Intel® NetStructure™ ZT 5515  
Value Board Reference Design

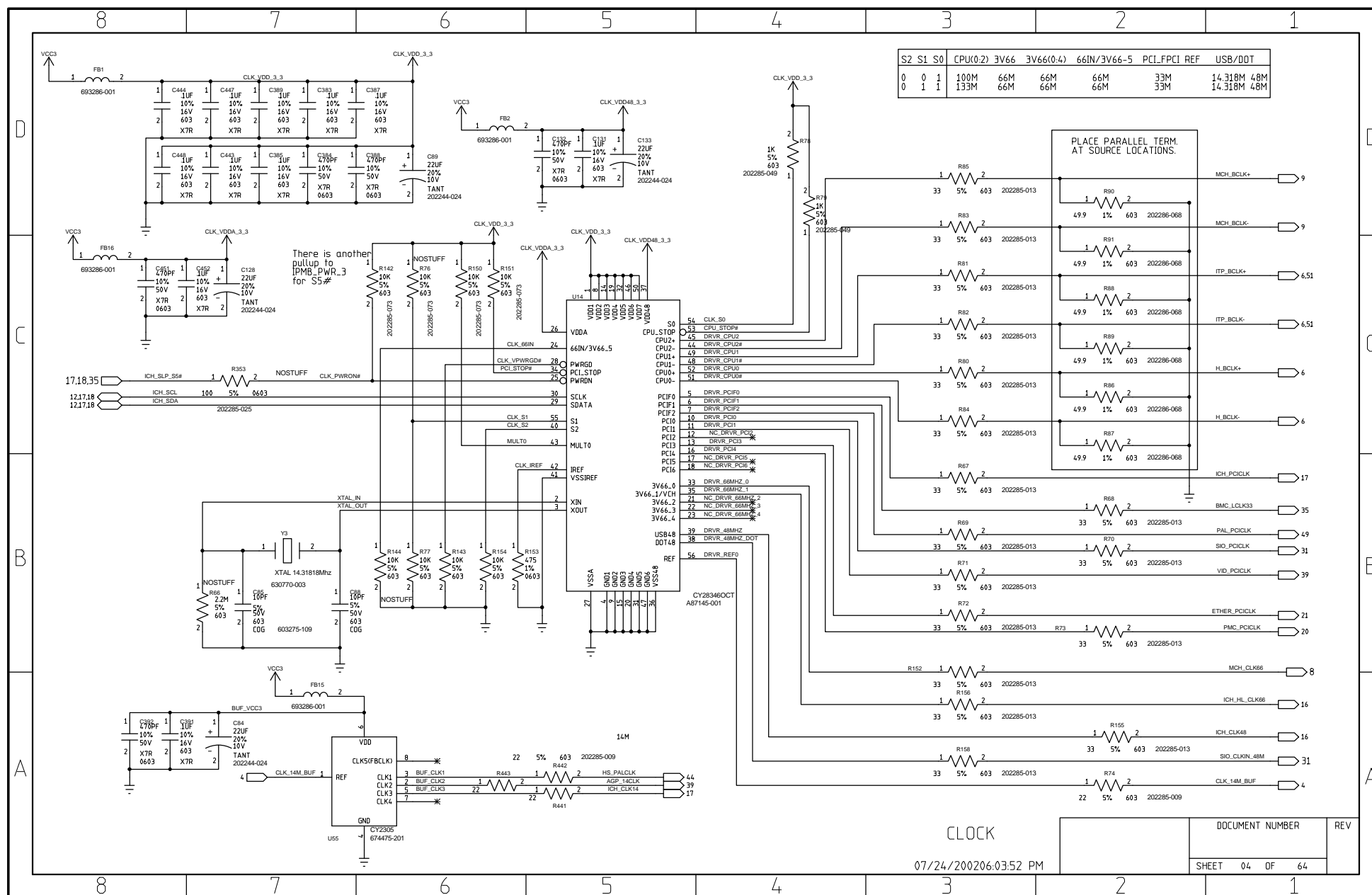
PMC SKU - ZT5515A1A (PBA#: A92449-200 )  
HDD SKU - ZT5515A1B (PBA#: A93427-200)  
PB# : A92465-002

\*Other names and brands may be claimed as the property of others.

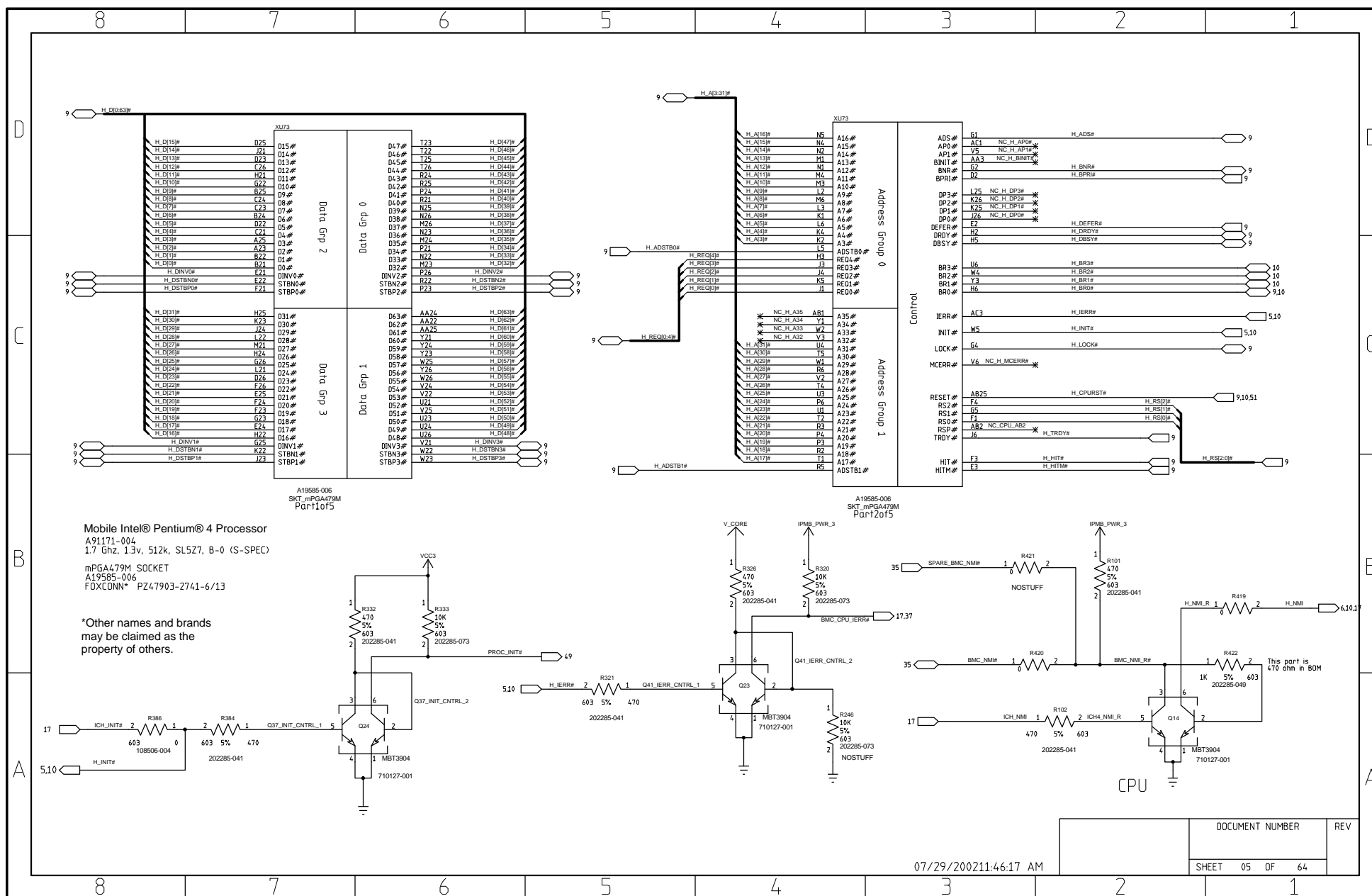
BOM RELEASE DATE	XX/XX	PB NUMBER				
SIGNATURE	DATE	INTEL				
DRN BY	XX/XX					
CHK BY		TITLE				
ENGR						
APVD		ZT 5515				
APVD						
APVD						REV
		DOCUMENT NUMBER				
		C11535				
		SHEET 01 OF 64				

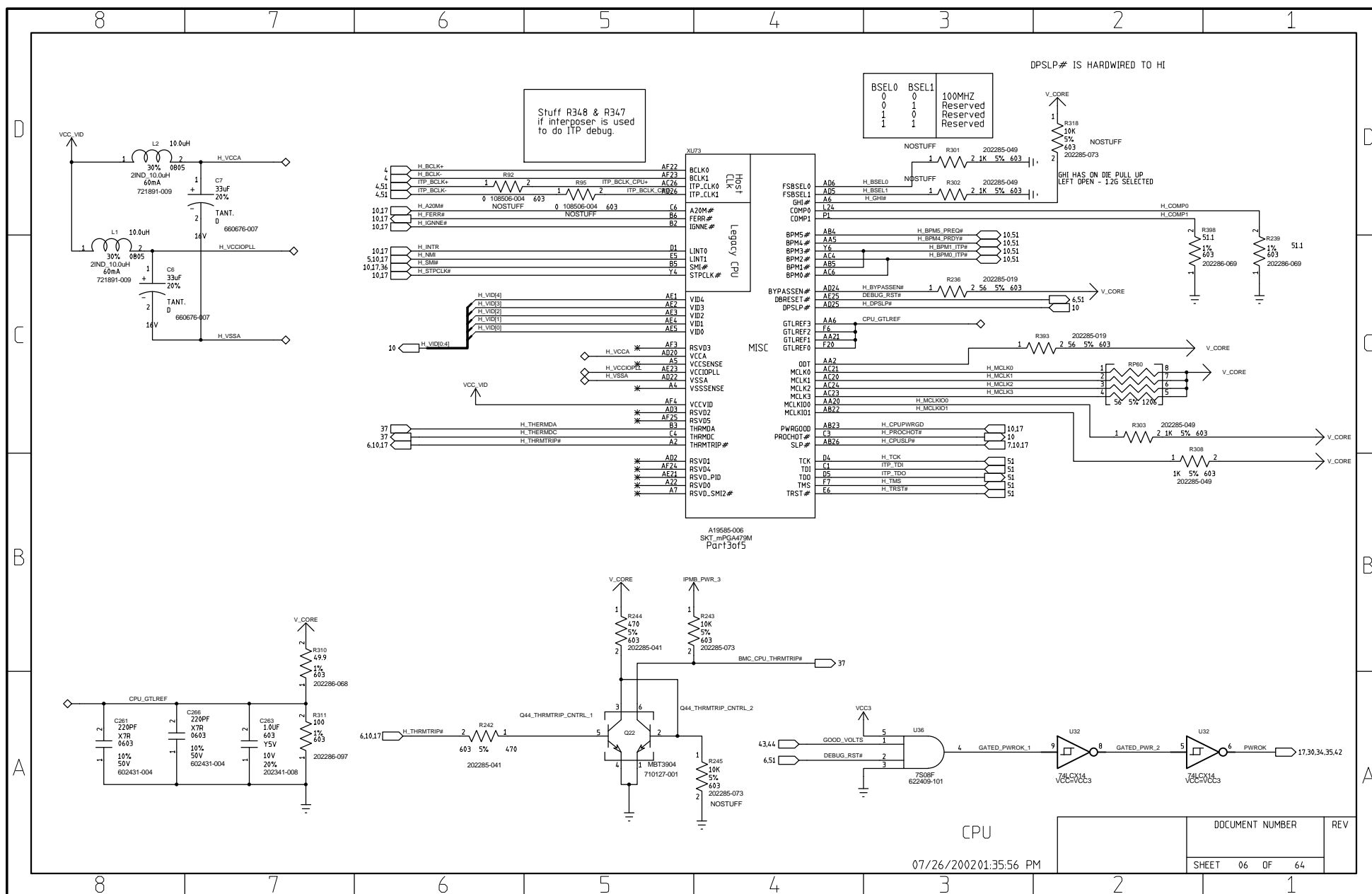


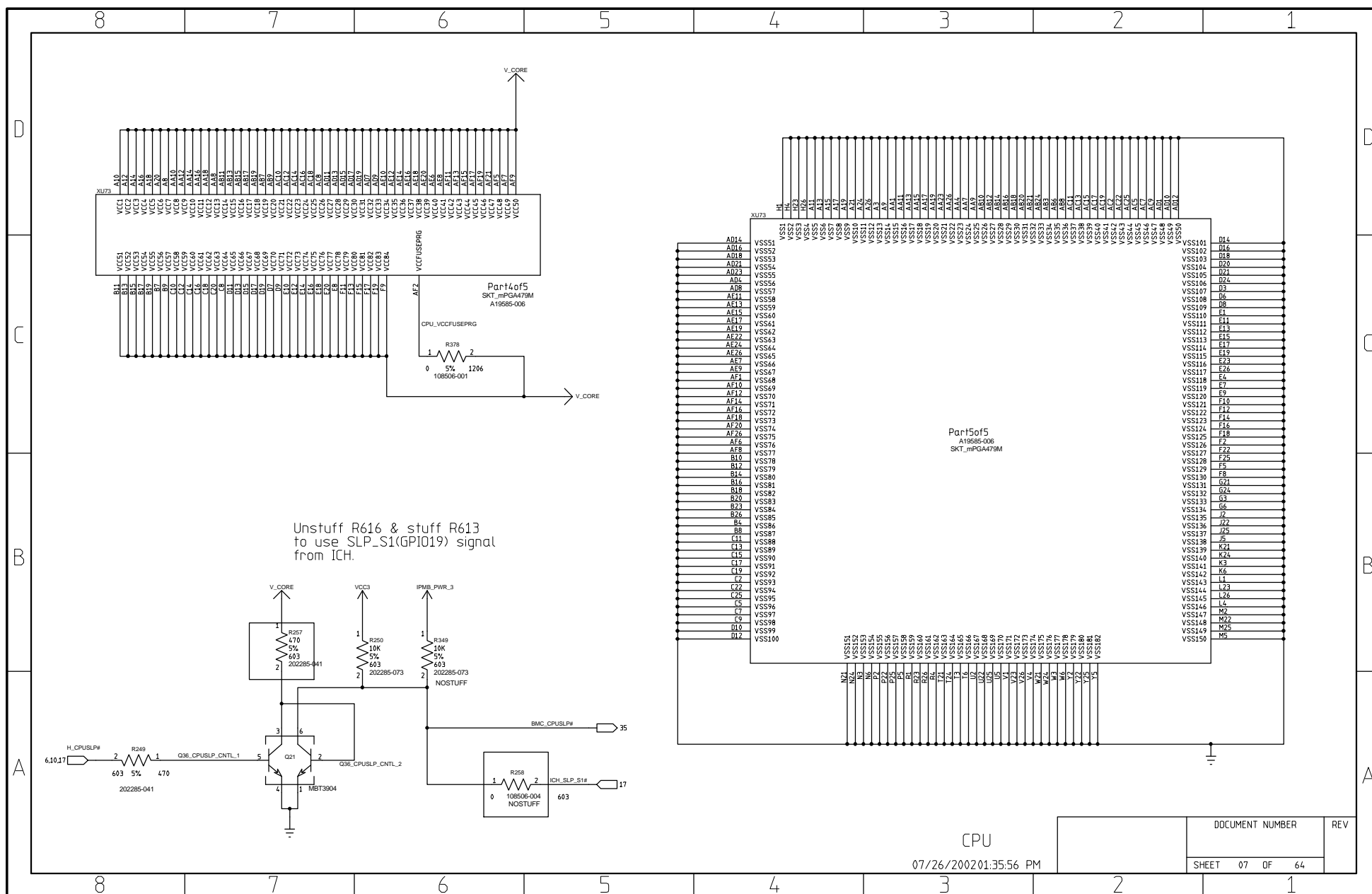


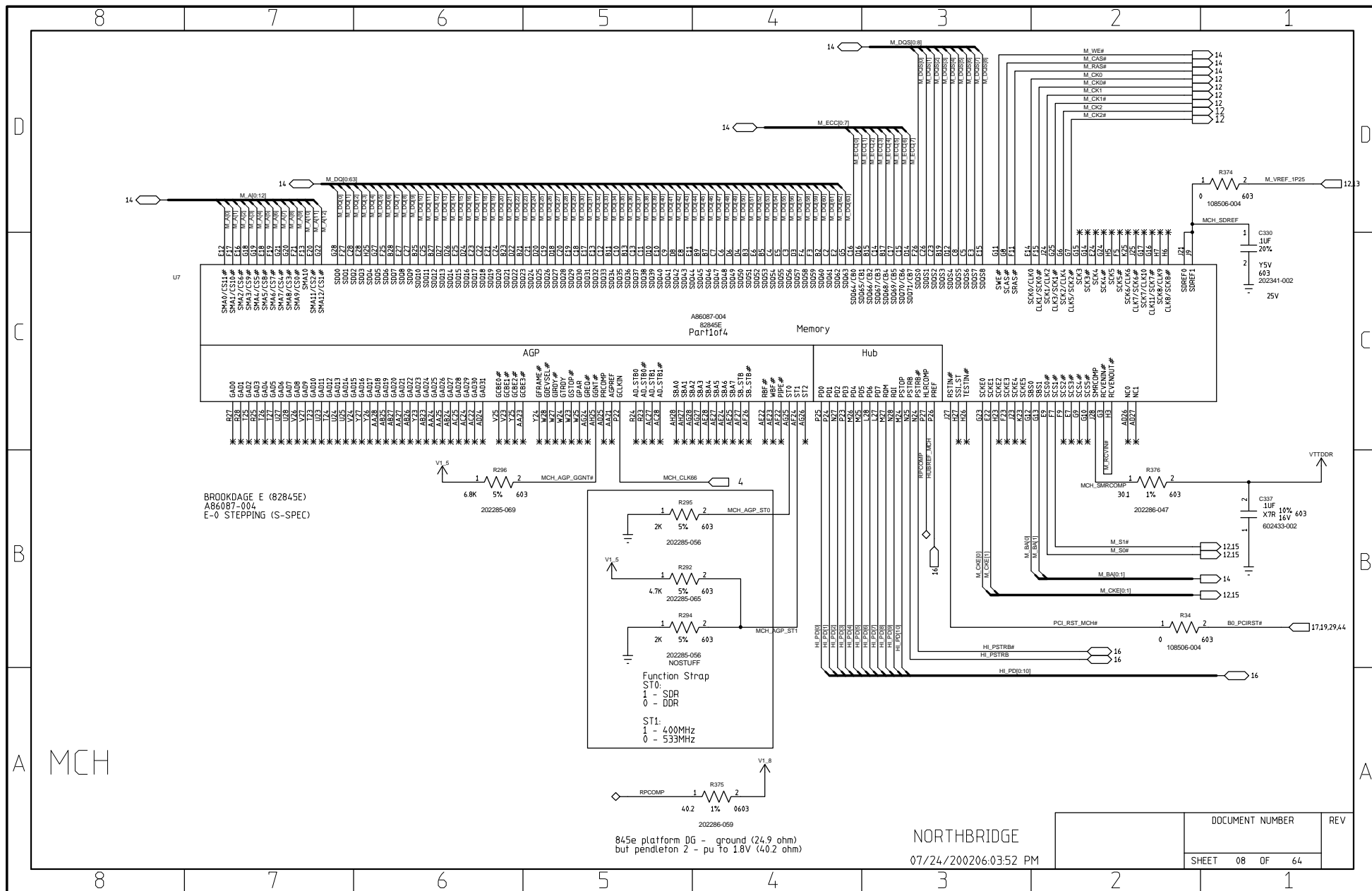


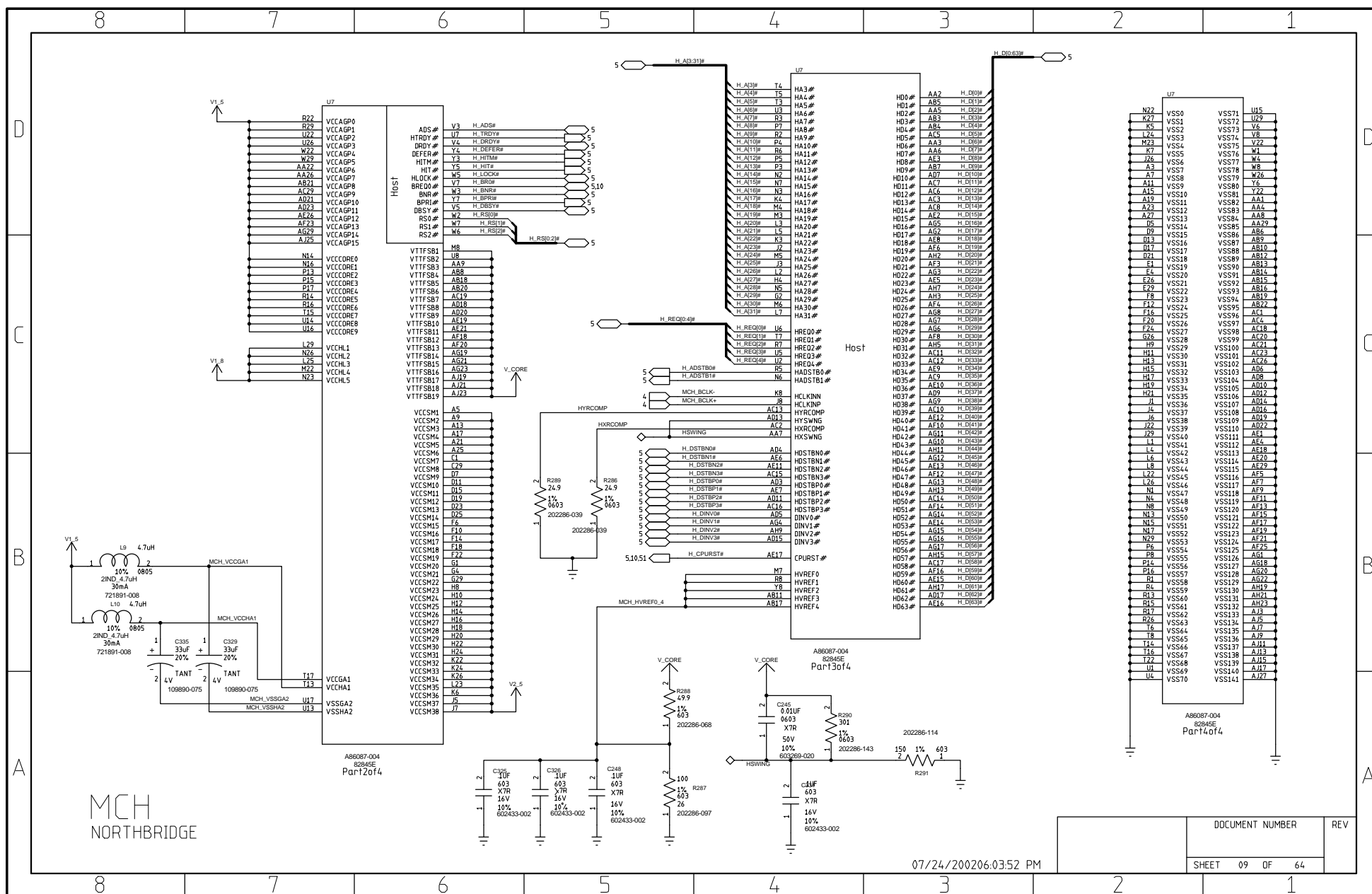


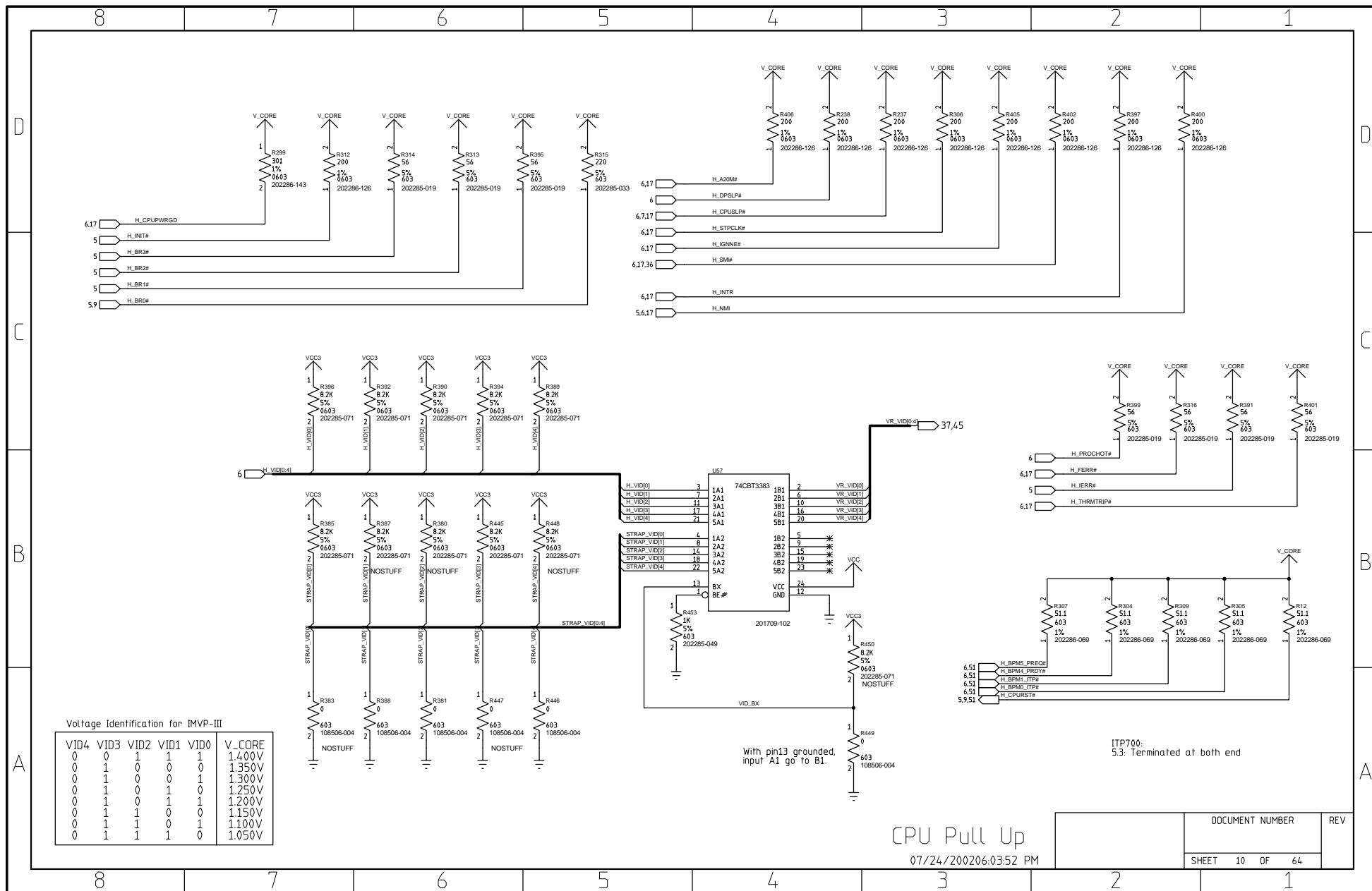




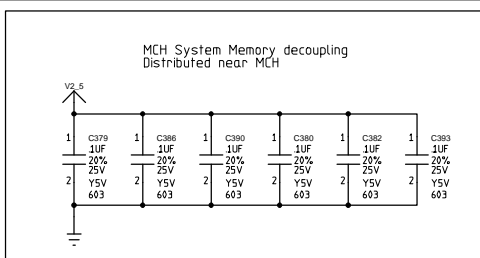




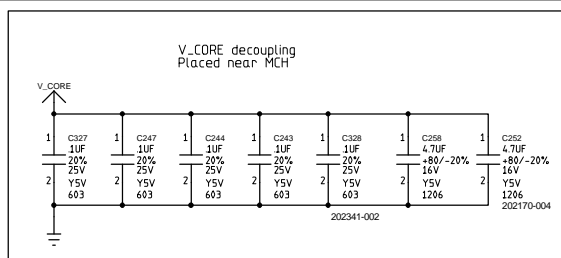




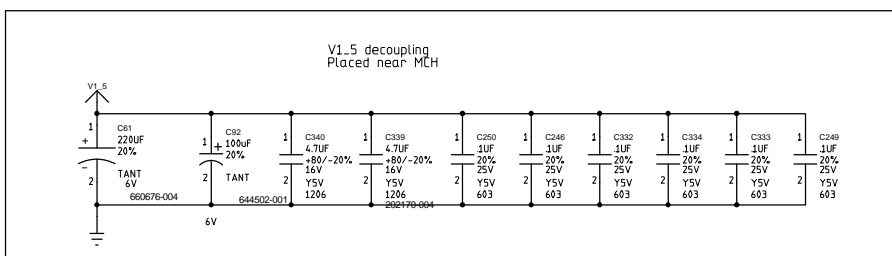
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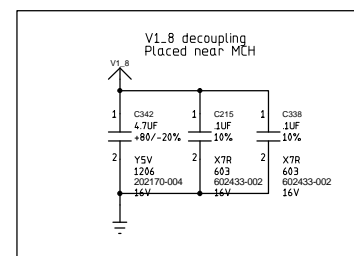
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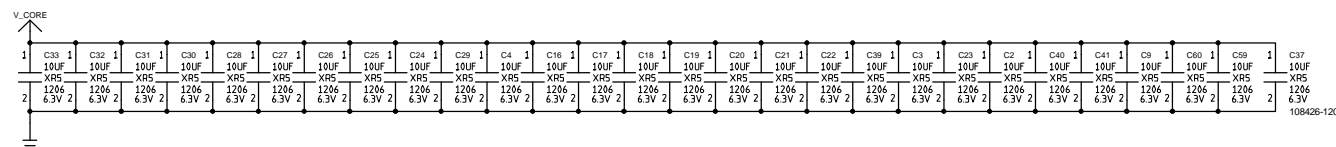


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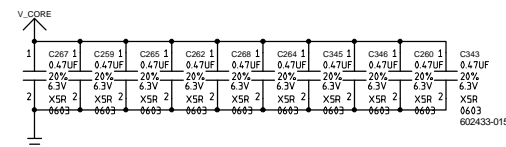
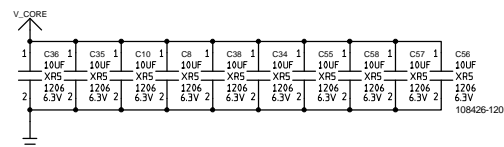


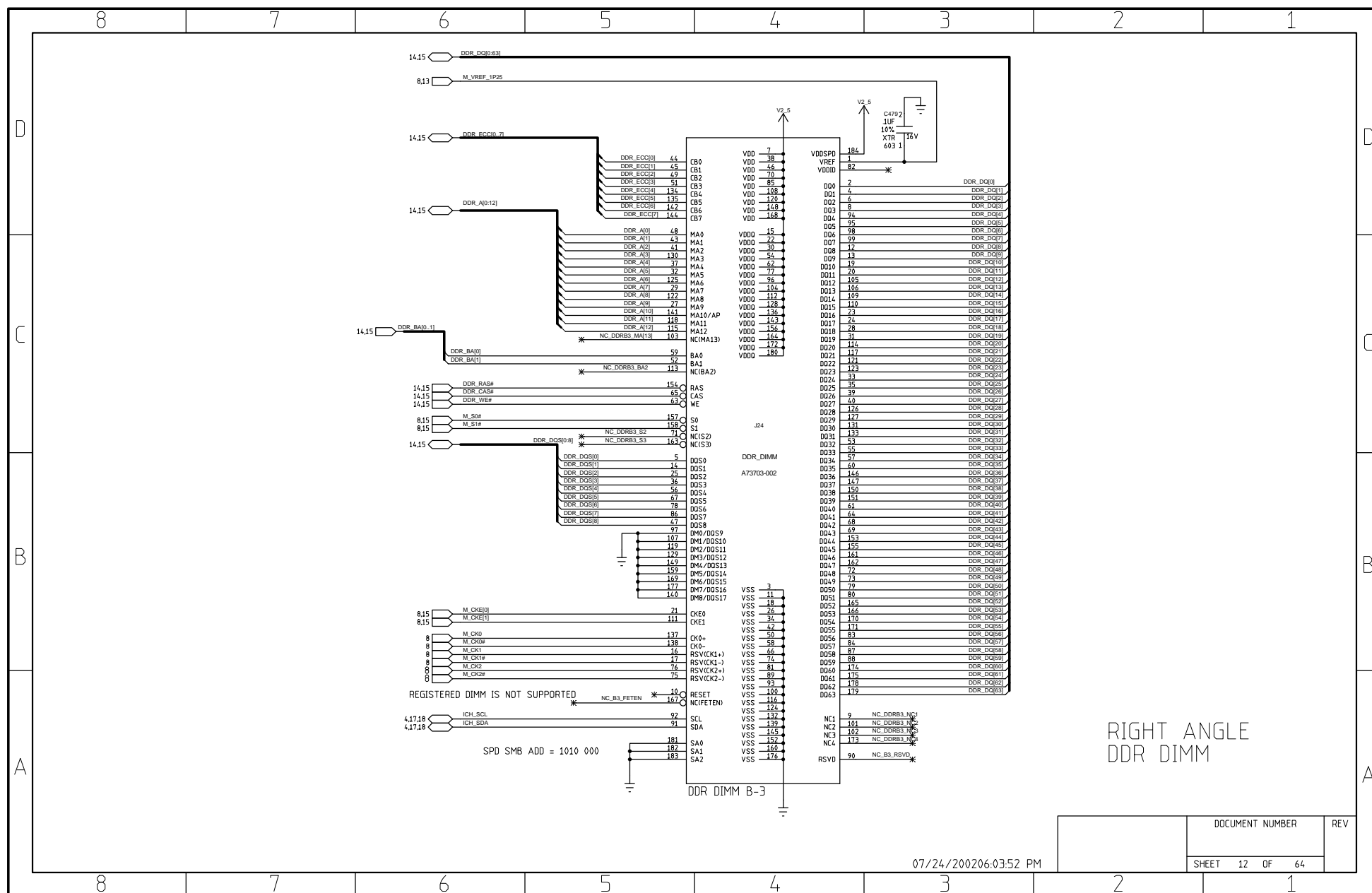
B

High Freq  
Decoupling  
(underneath processor)

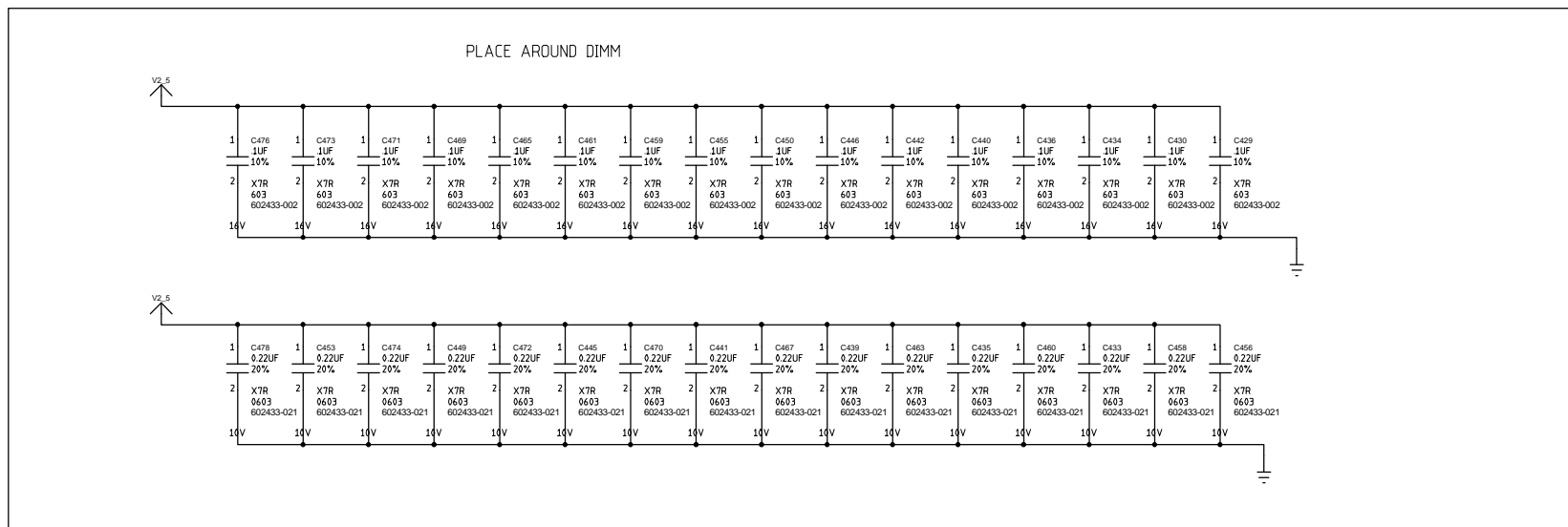
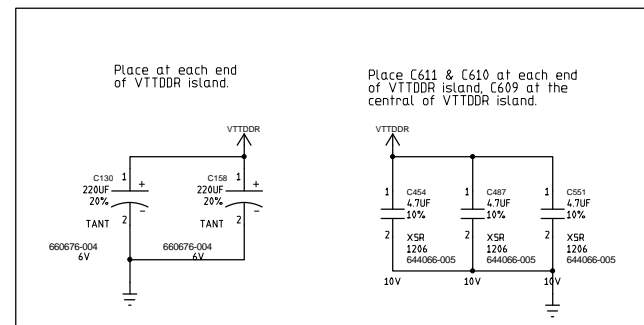
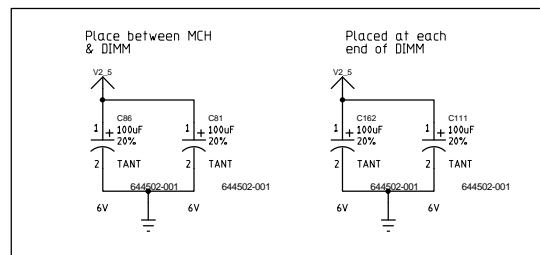
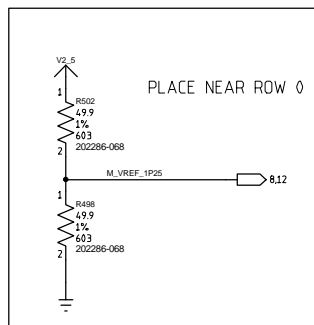


Mid Freq  
Decoupling  
(around processor)







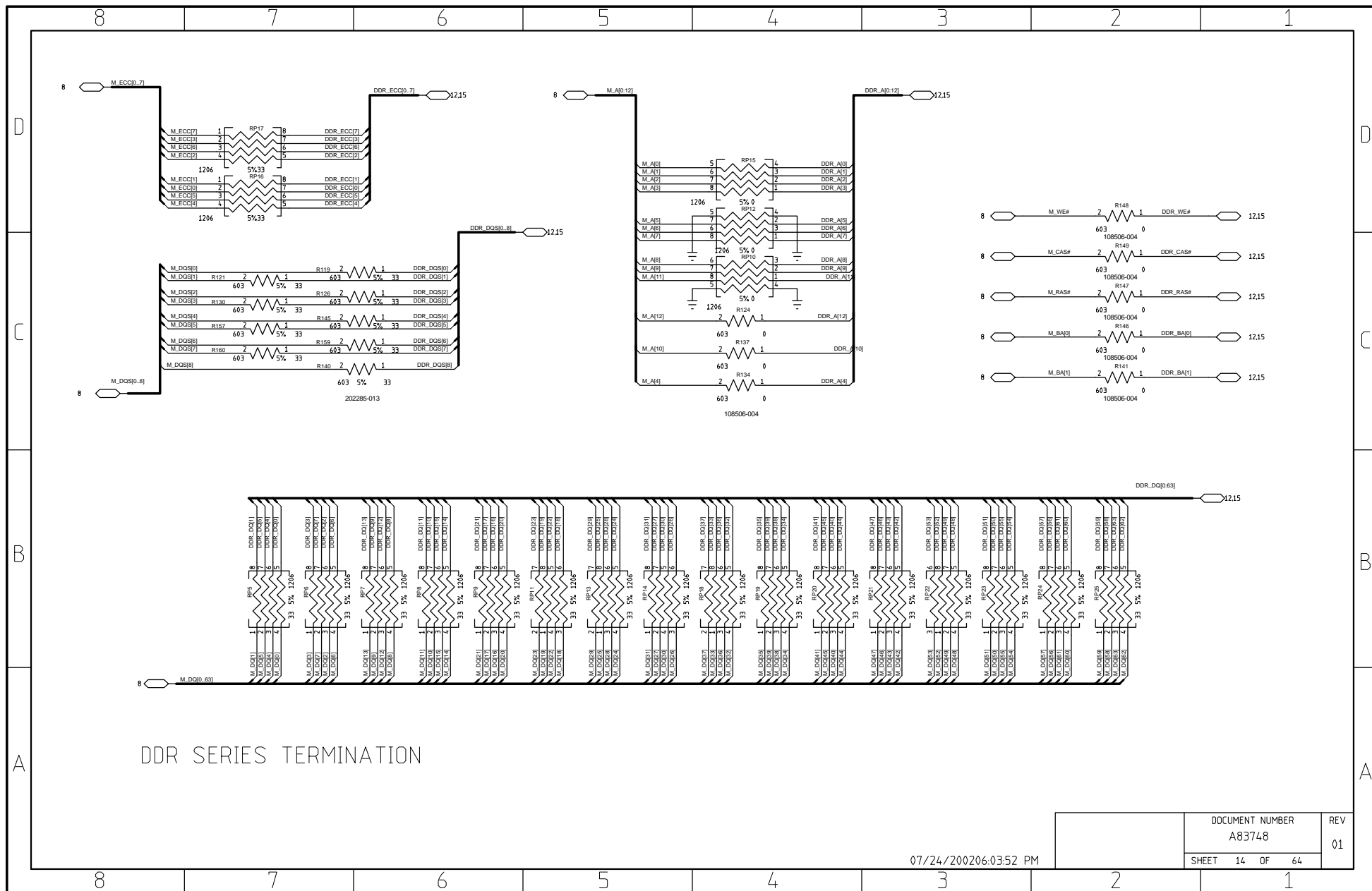


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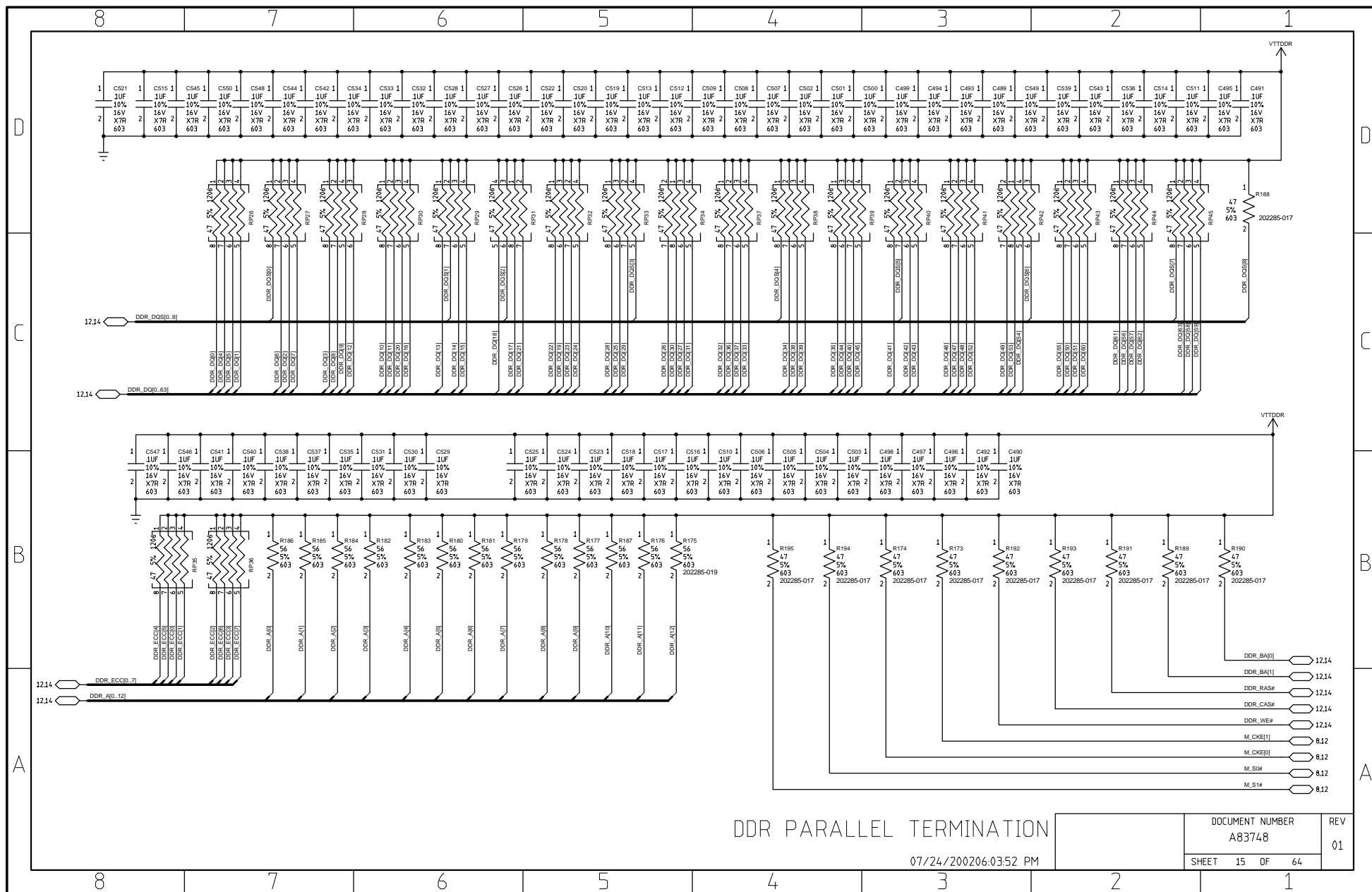
SHEET 13 OF 64



DDR SERIES TERMINATION

07/24/200206:03:52 PM

DOCUMENT NUMBER		REV
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SHEET	14 OF 64	

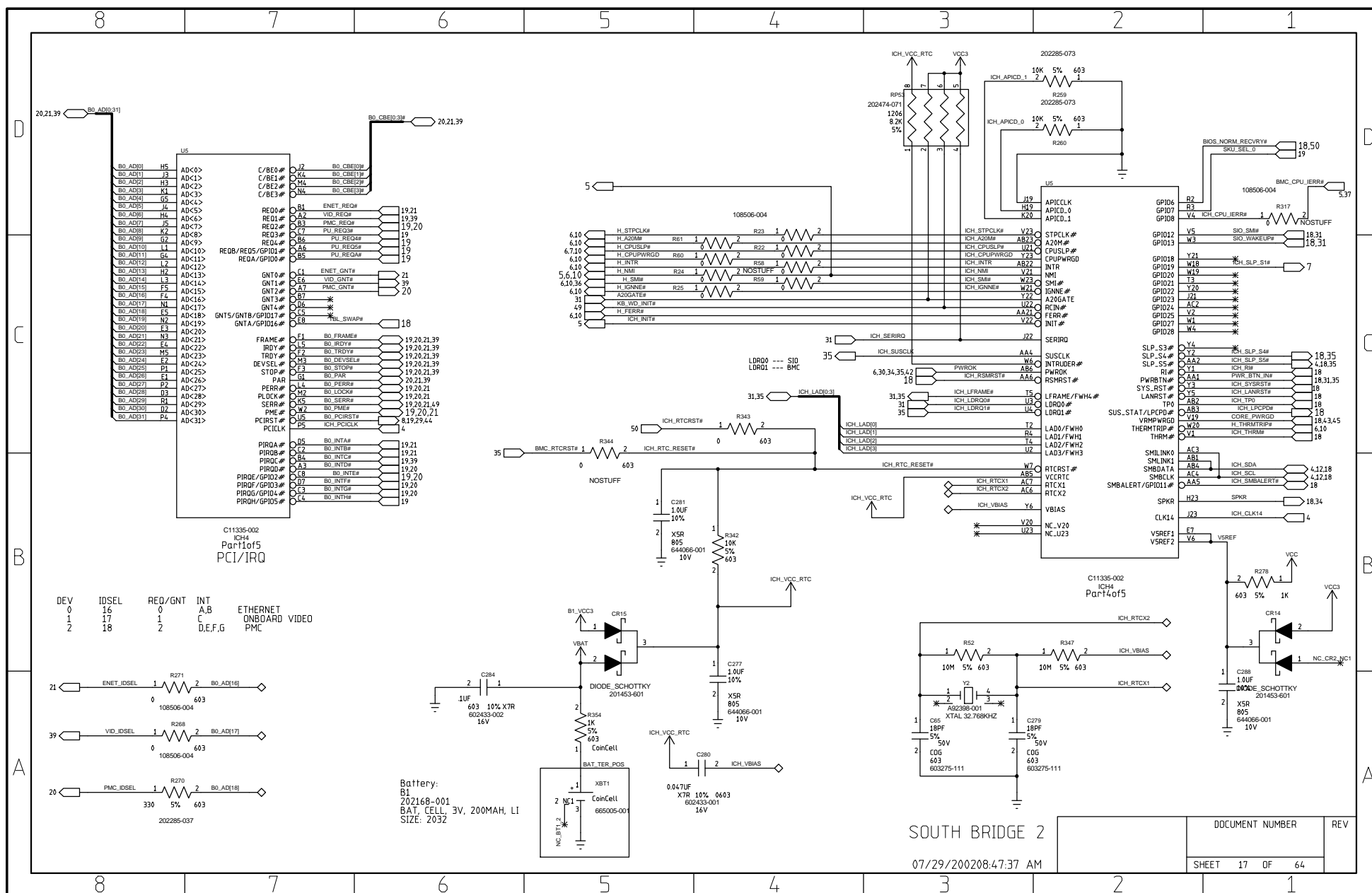


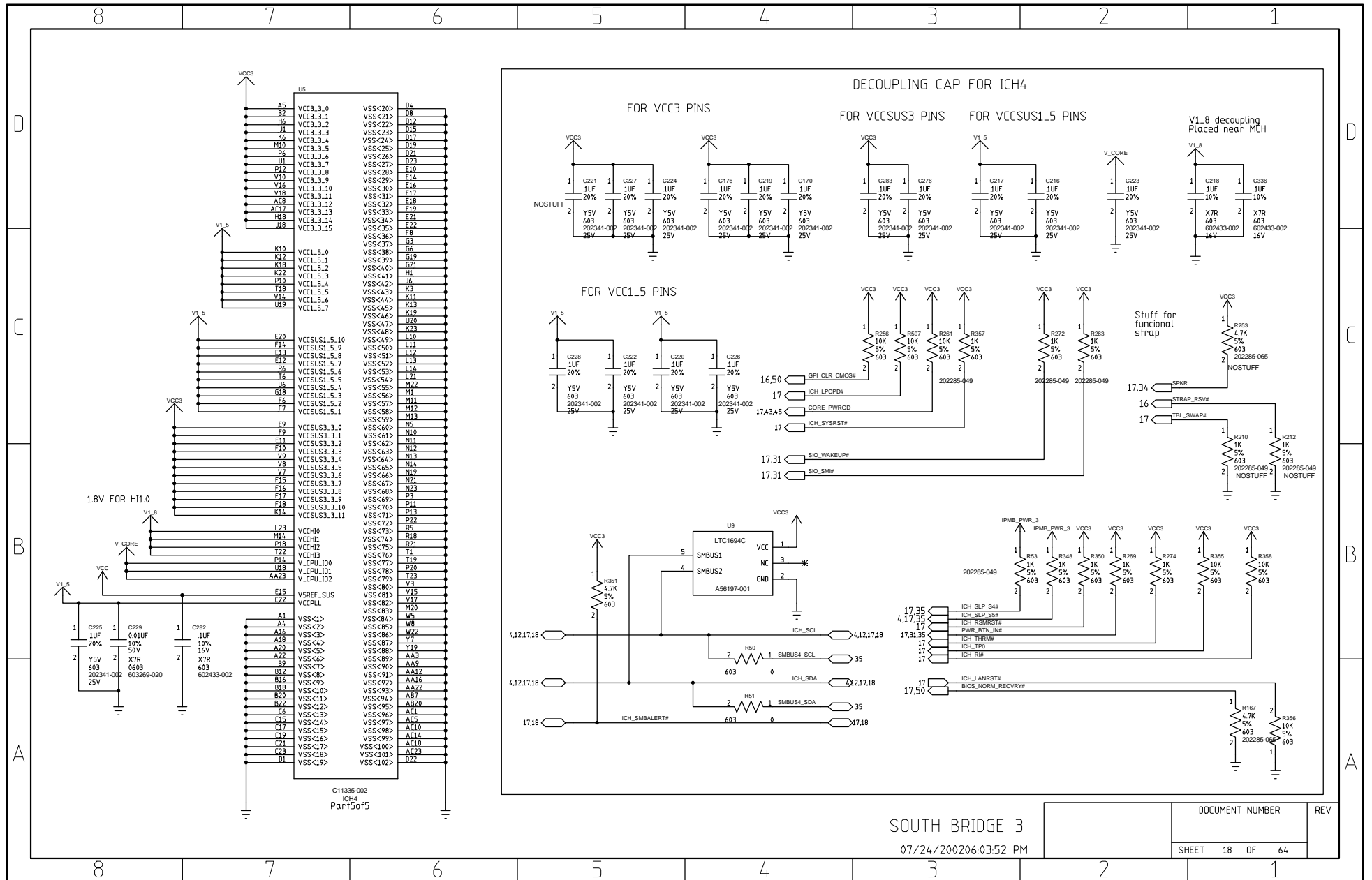
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07/24/200206:03:52 PM

DOCUMENT NUMBER		REV
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SHEET	15 OF 64	







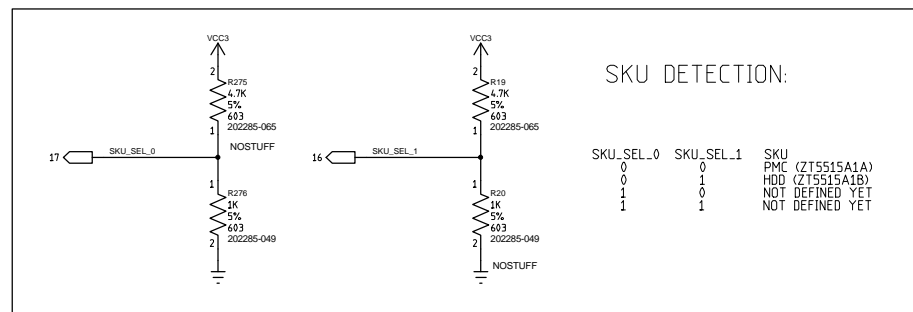
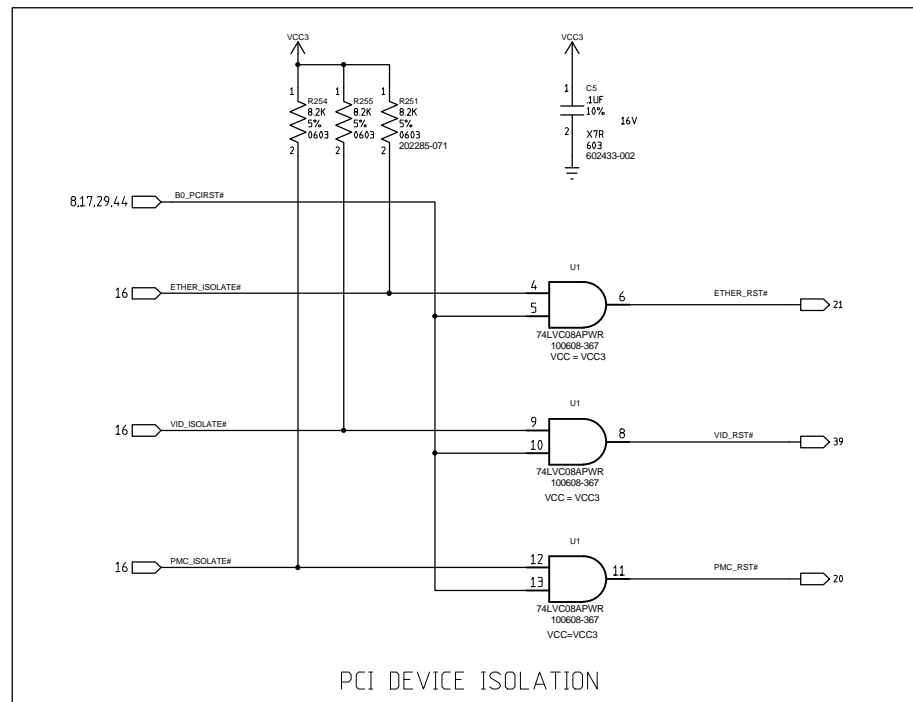
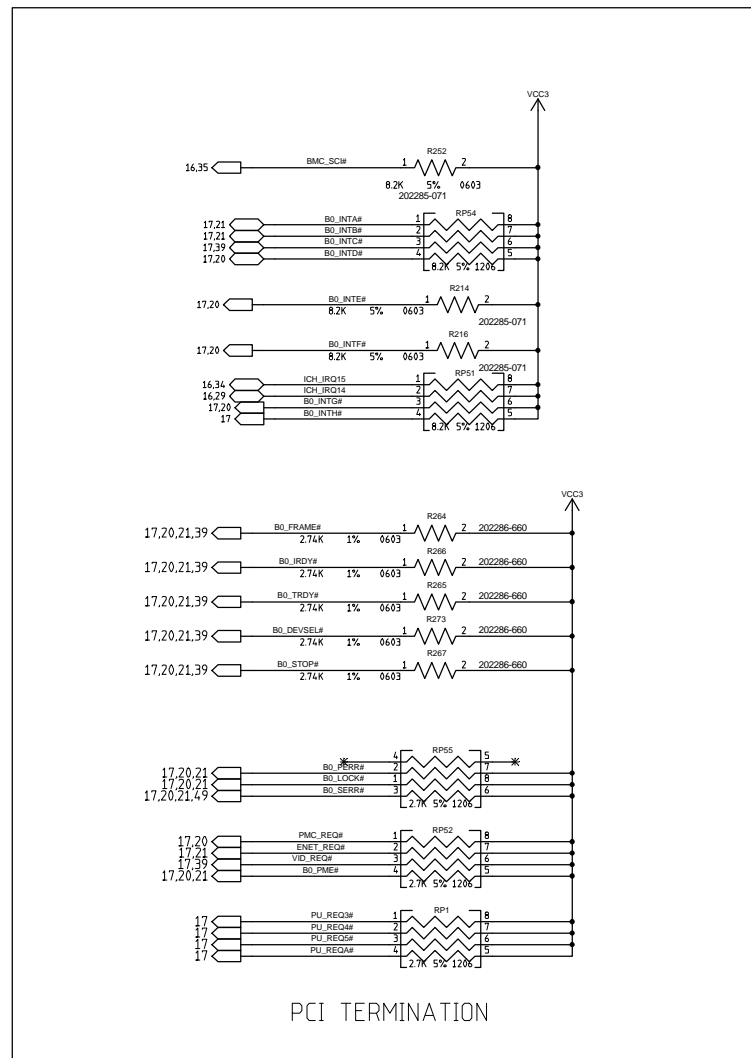
SOUTH BRIDGE 3

07/24/2002 06:03:52 PM

DOCUMENT NUMBER

REV

SHEET 18 OF 64

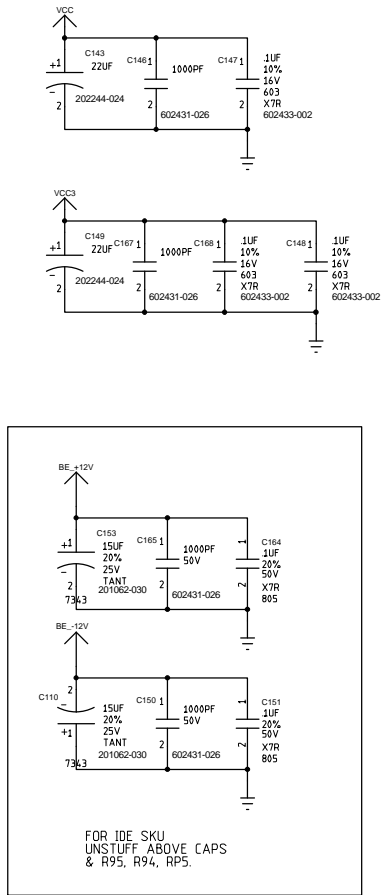


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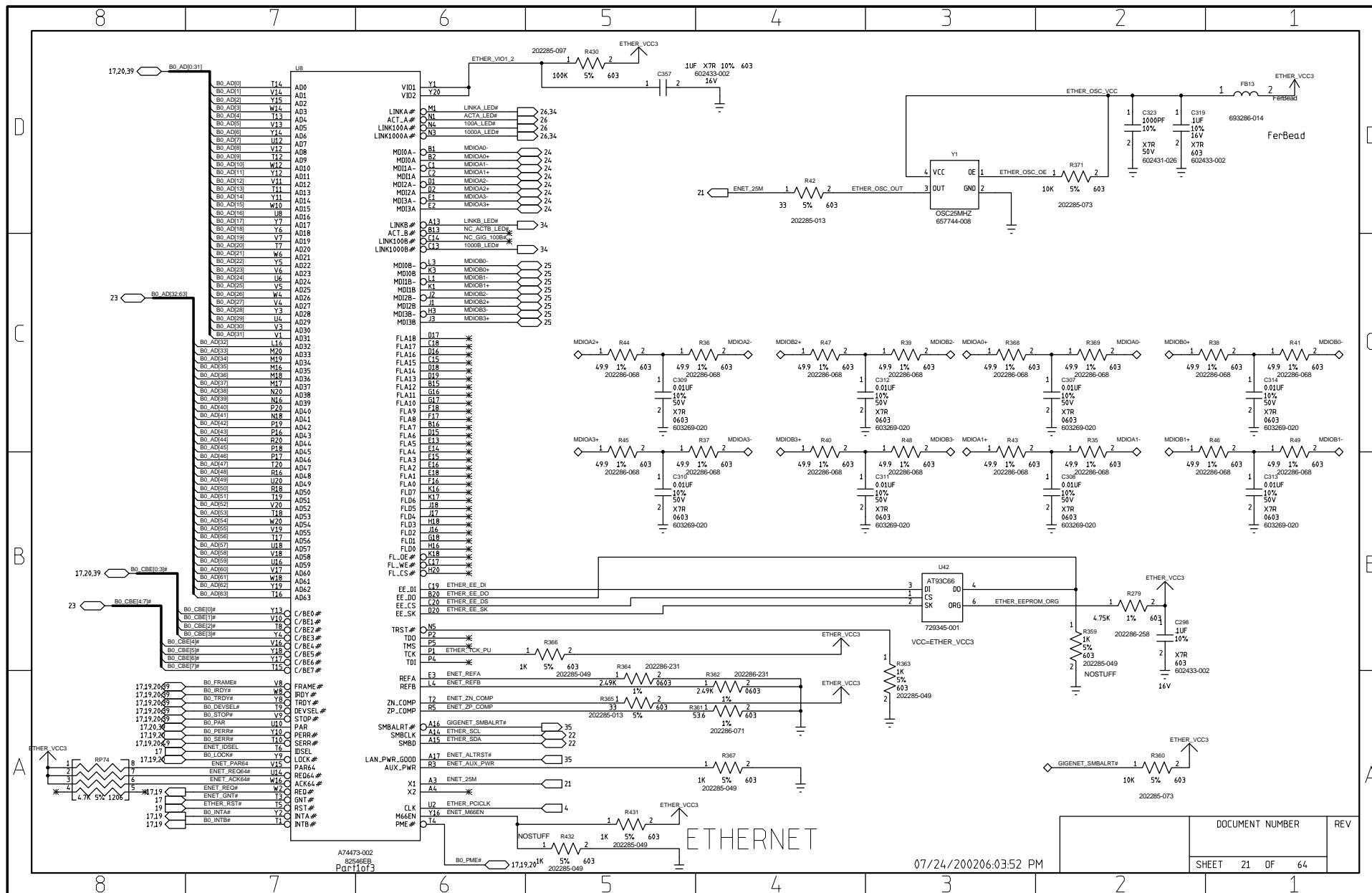
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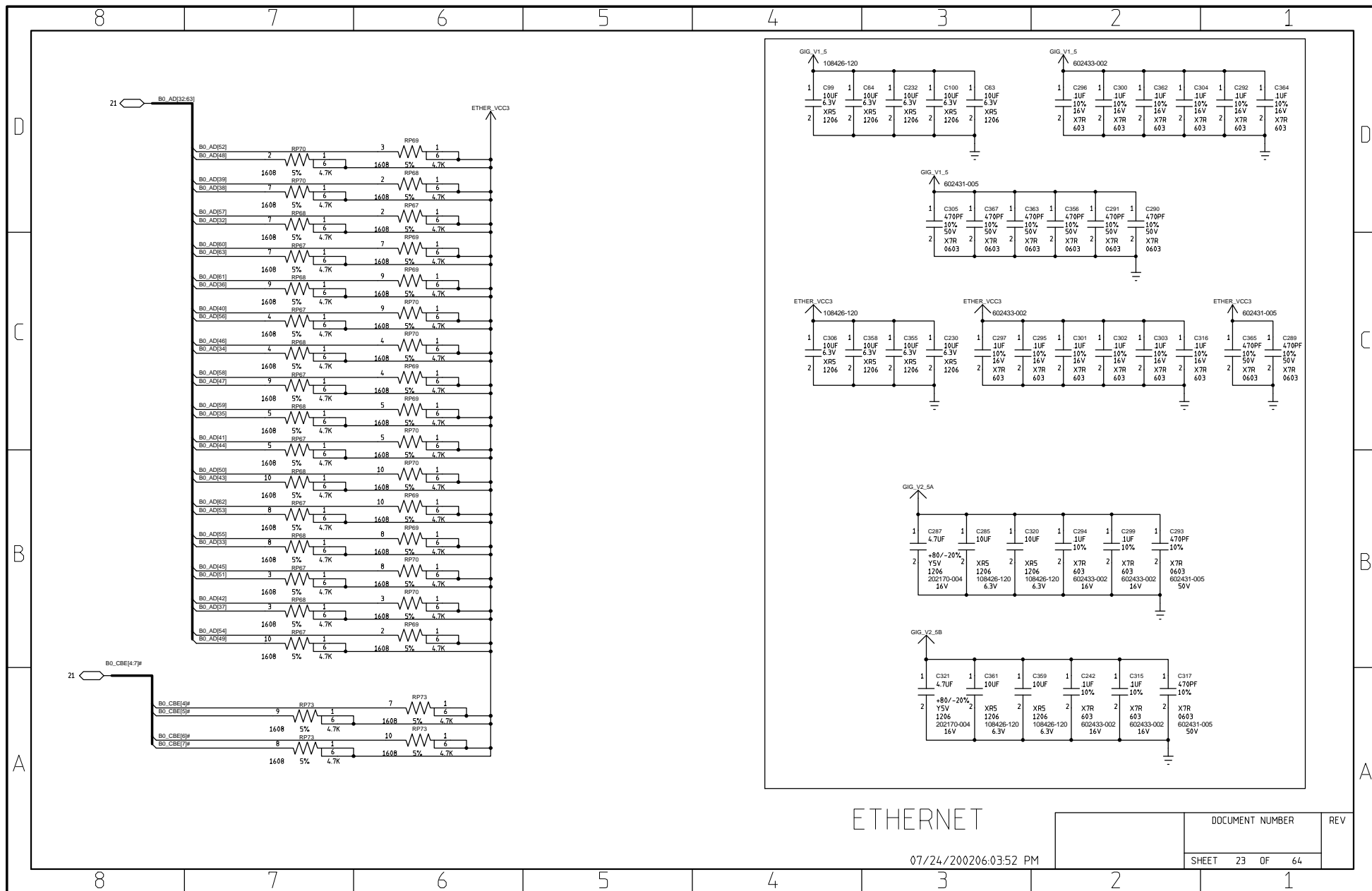
SHEET 19 OF 64











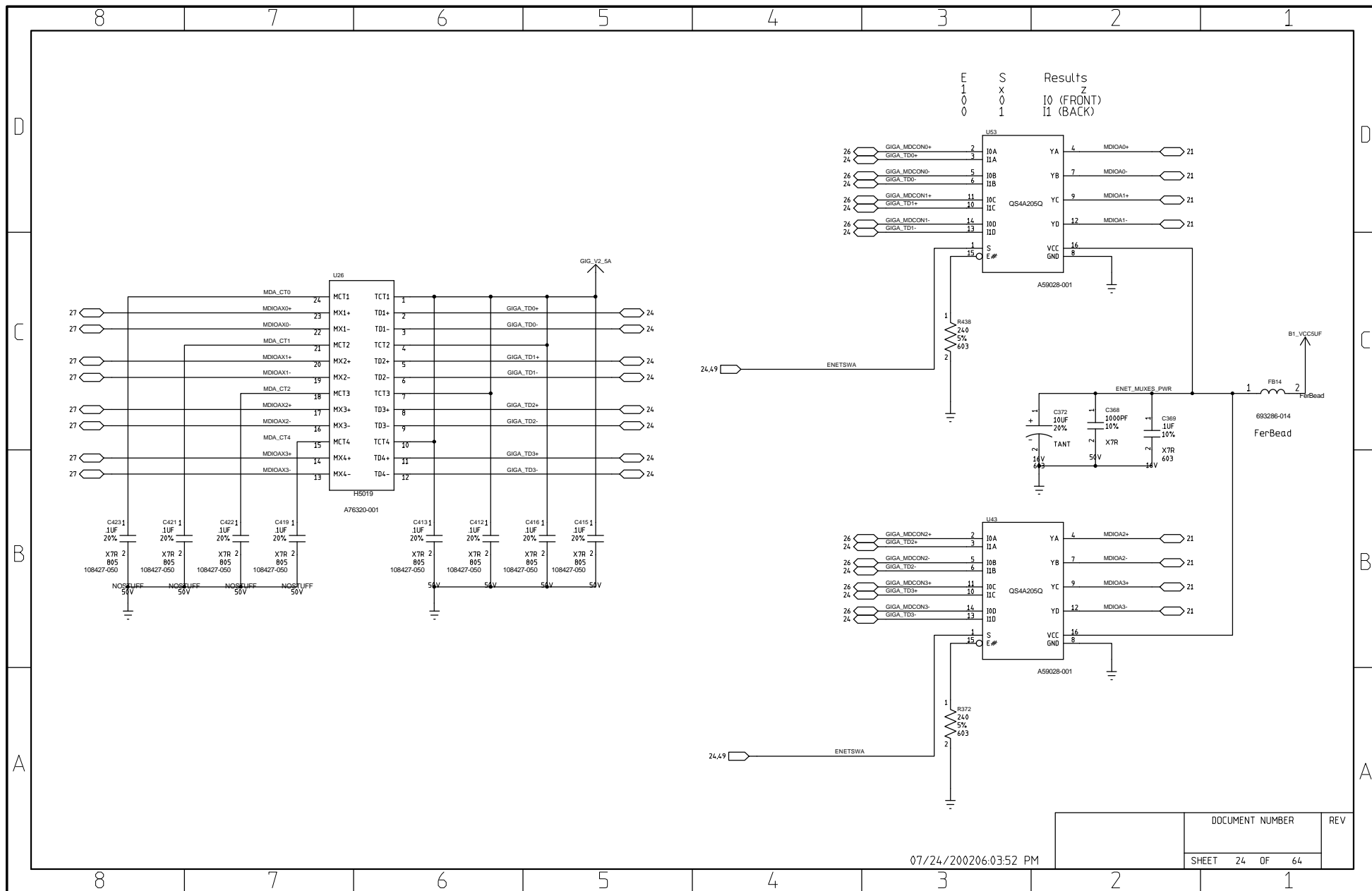
ETHERNET

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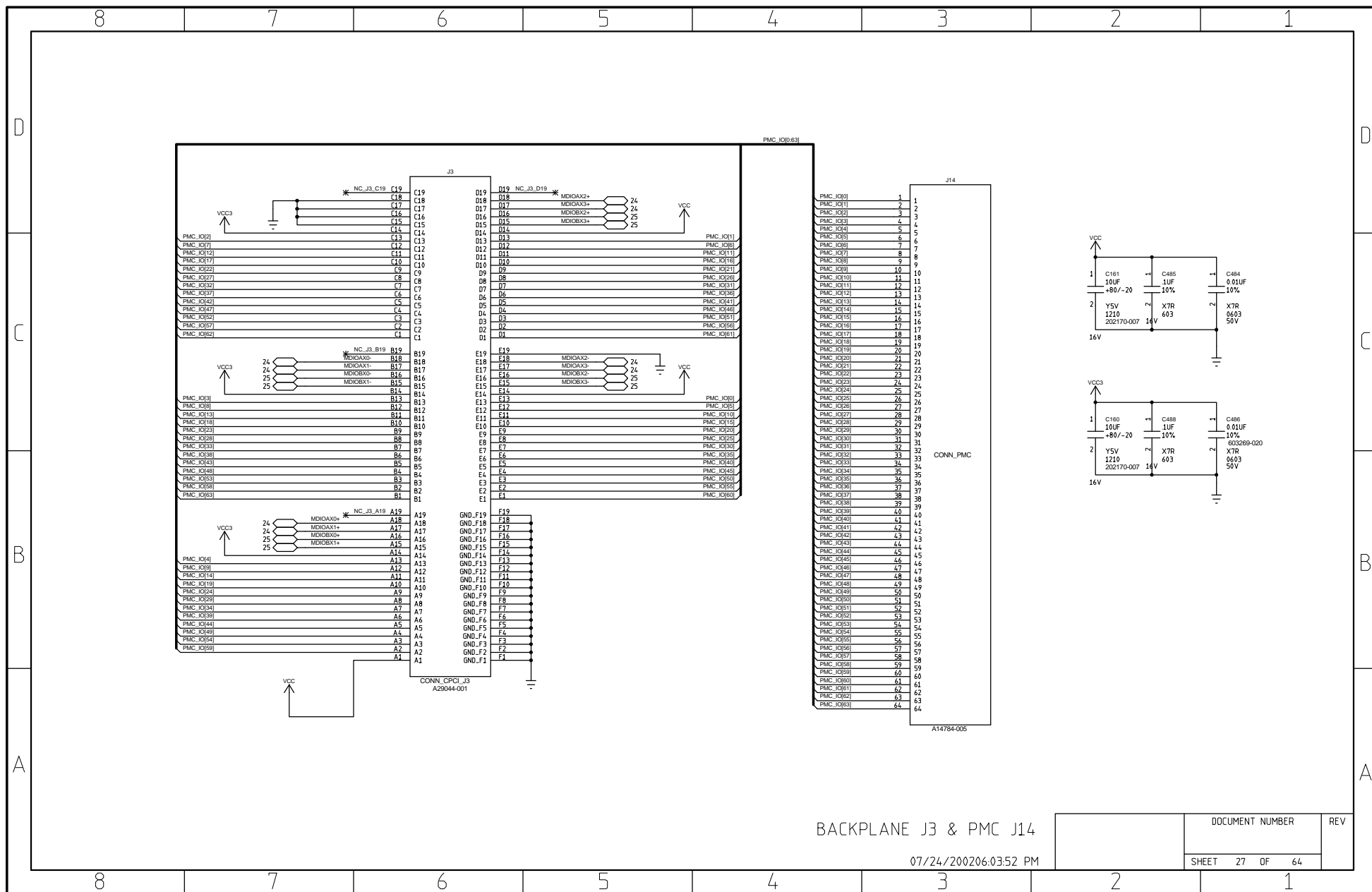
REV

SHEET 23 OF 64



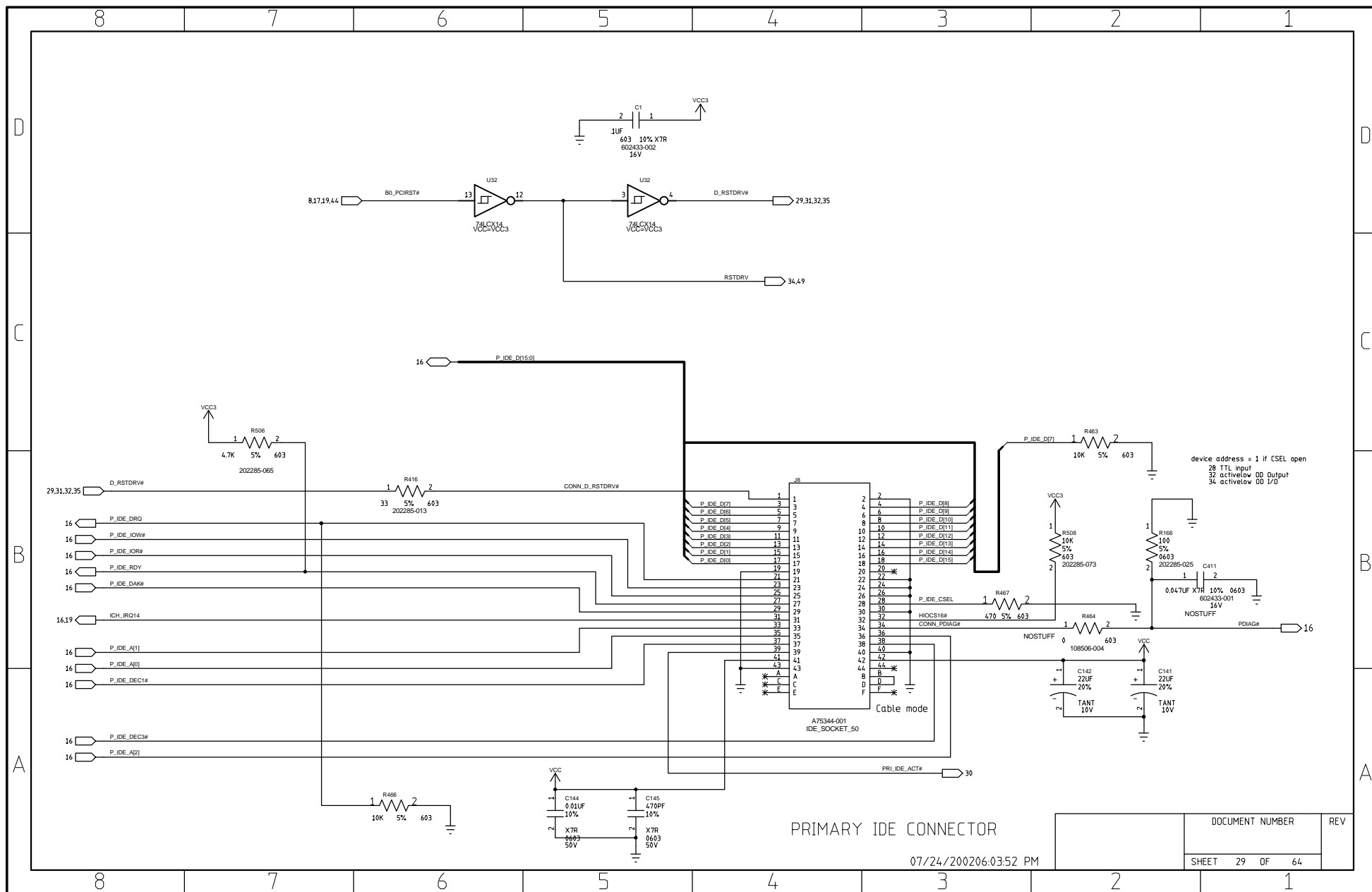


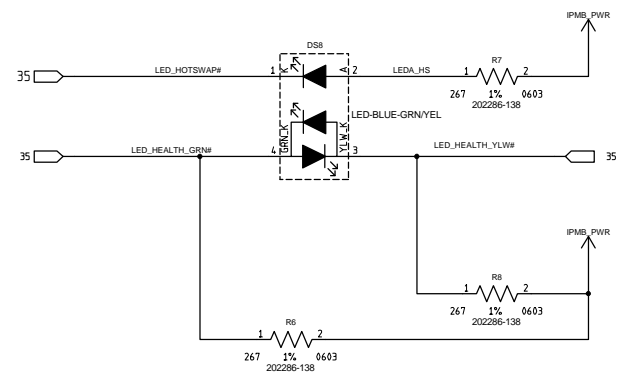
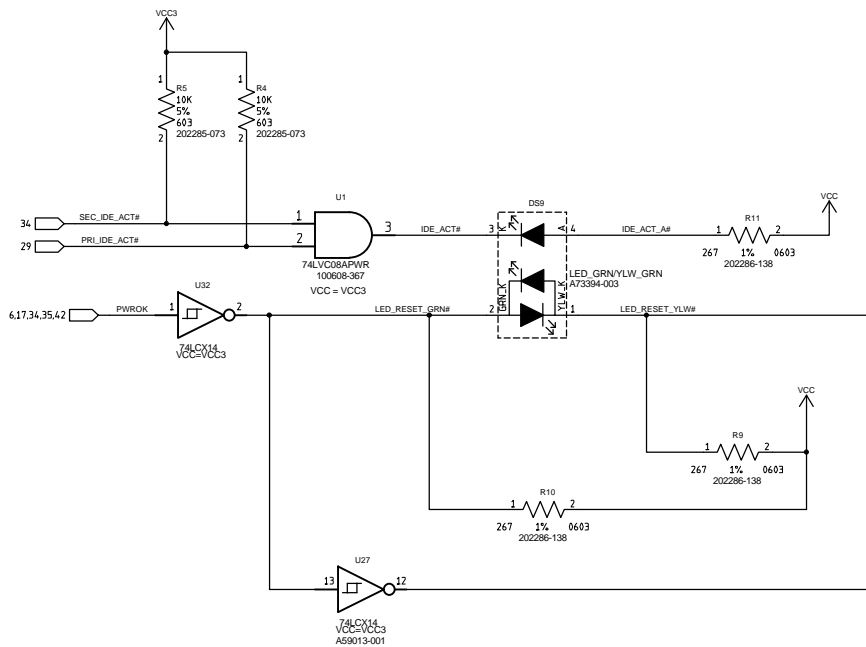










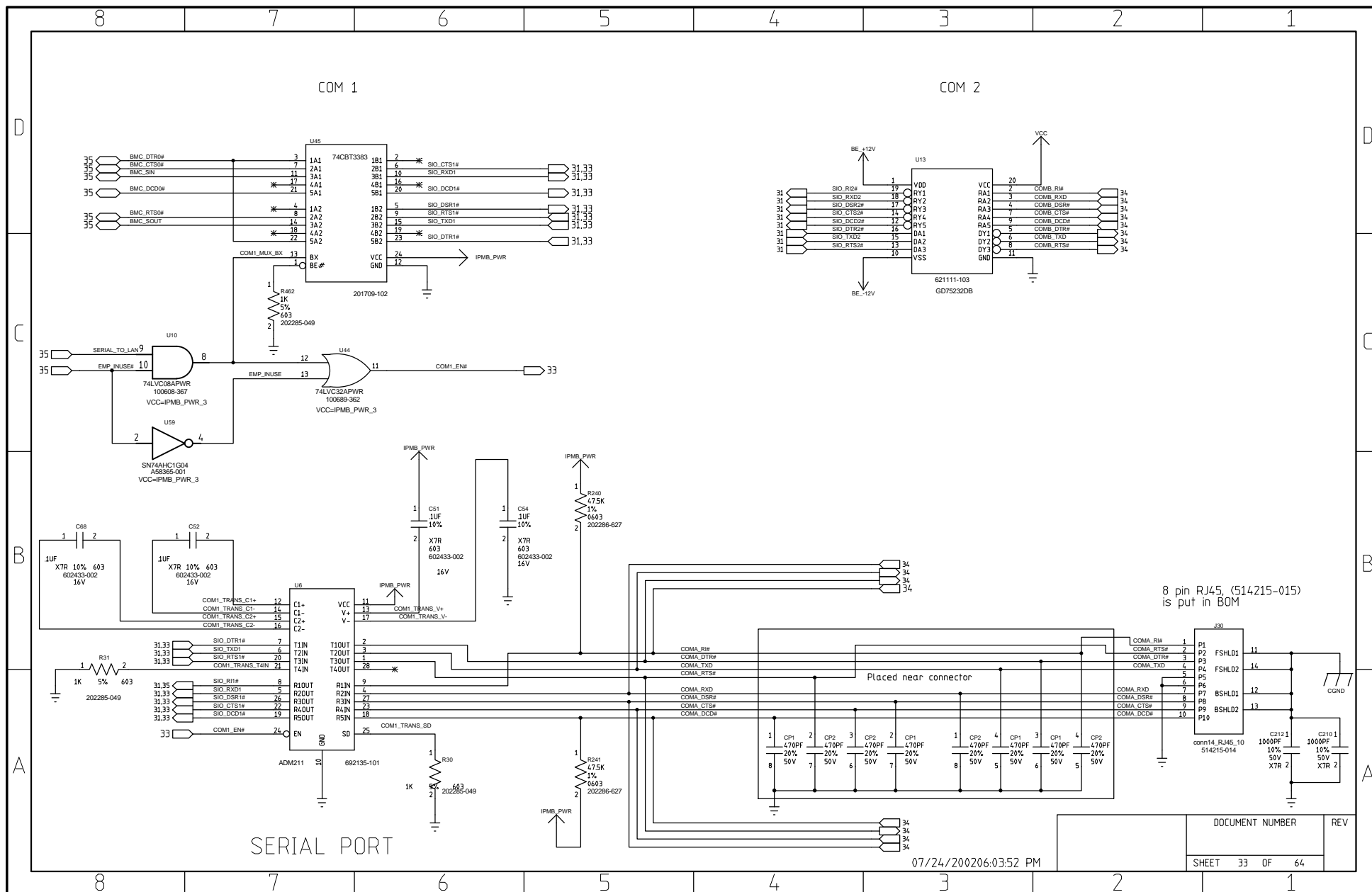


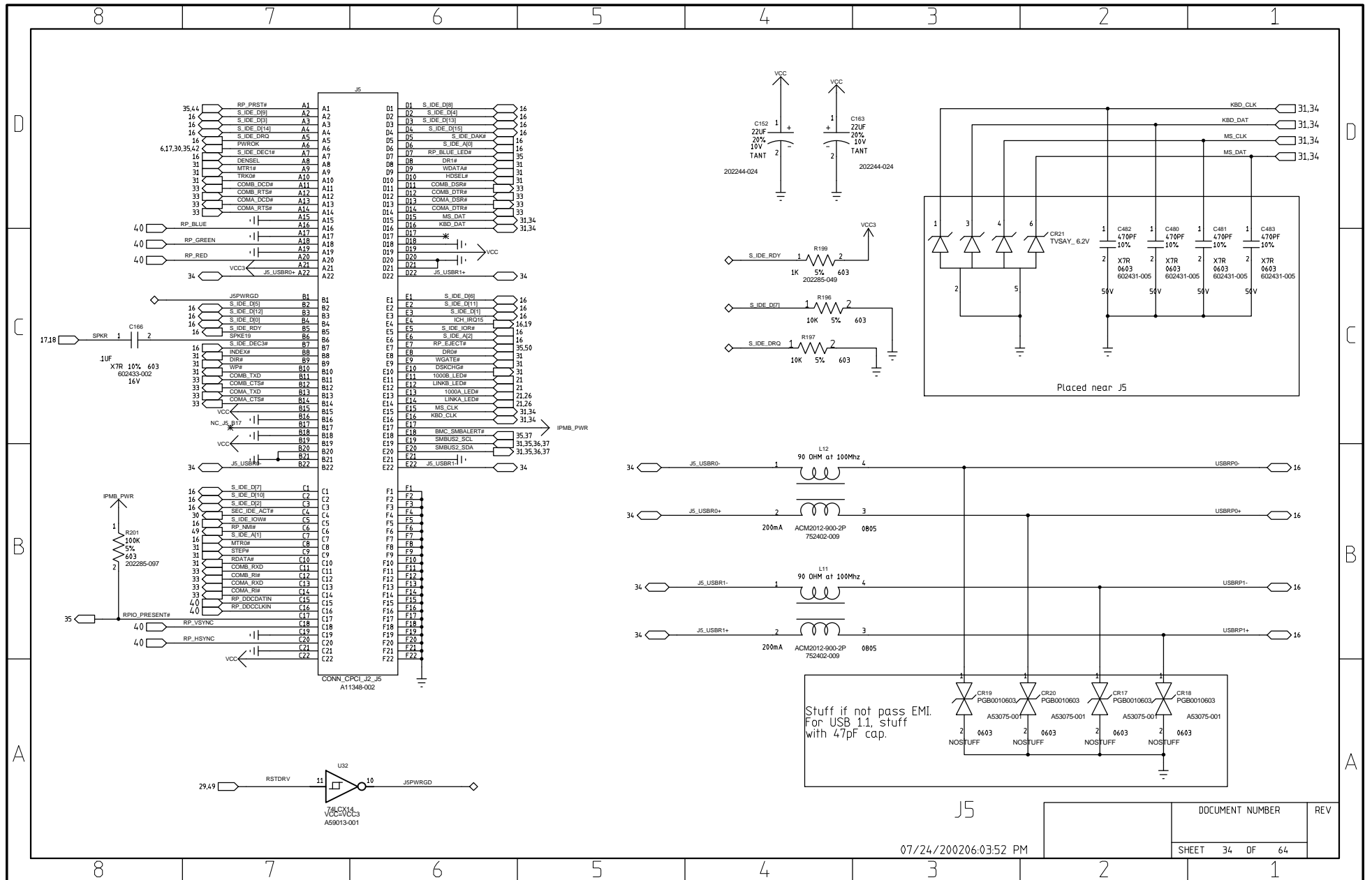
SEC IDE  
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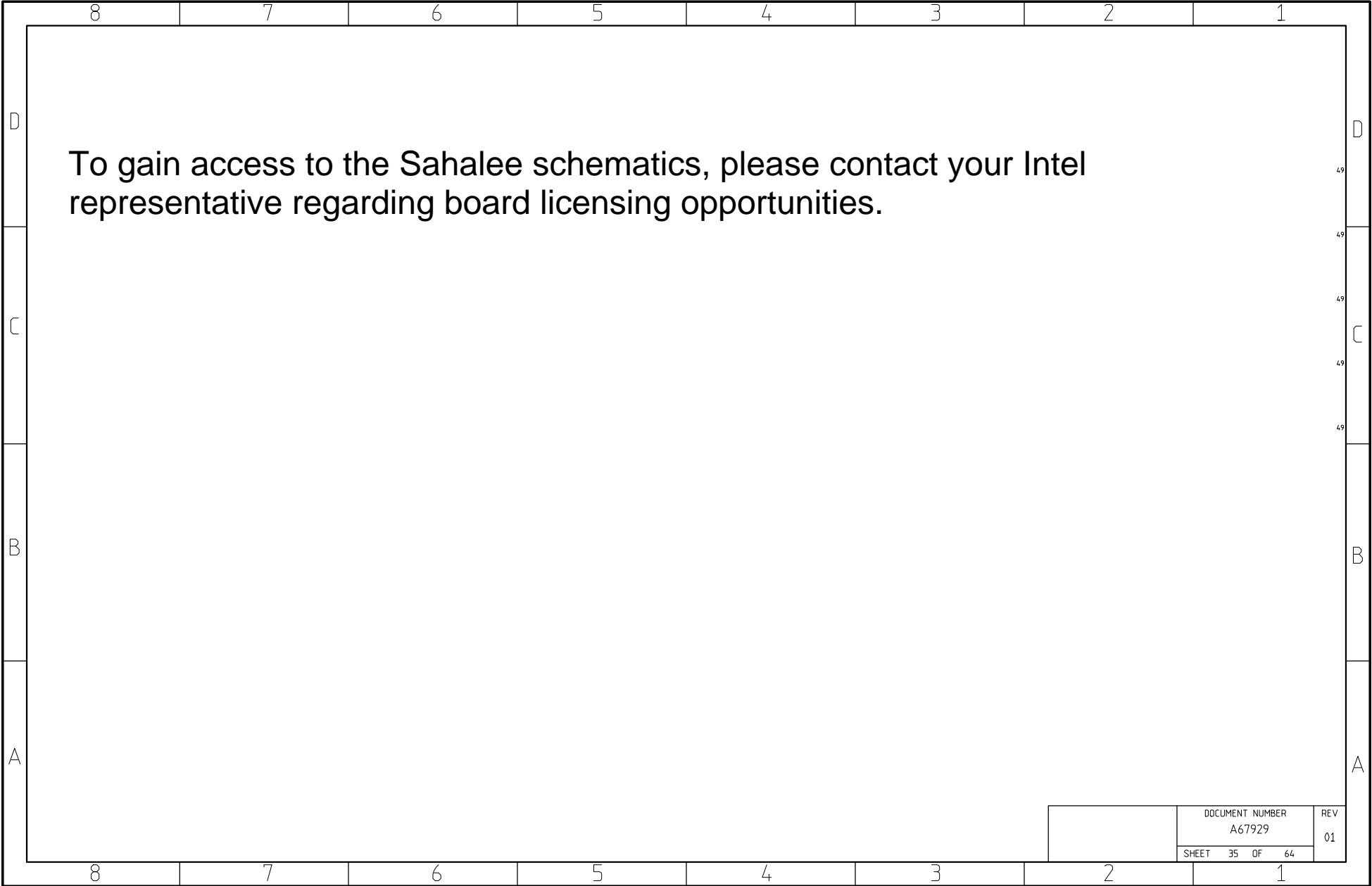
DOCUMENT NUMBER			REV
SHEET	30	OF 64	

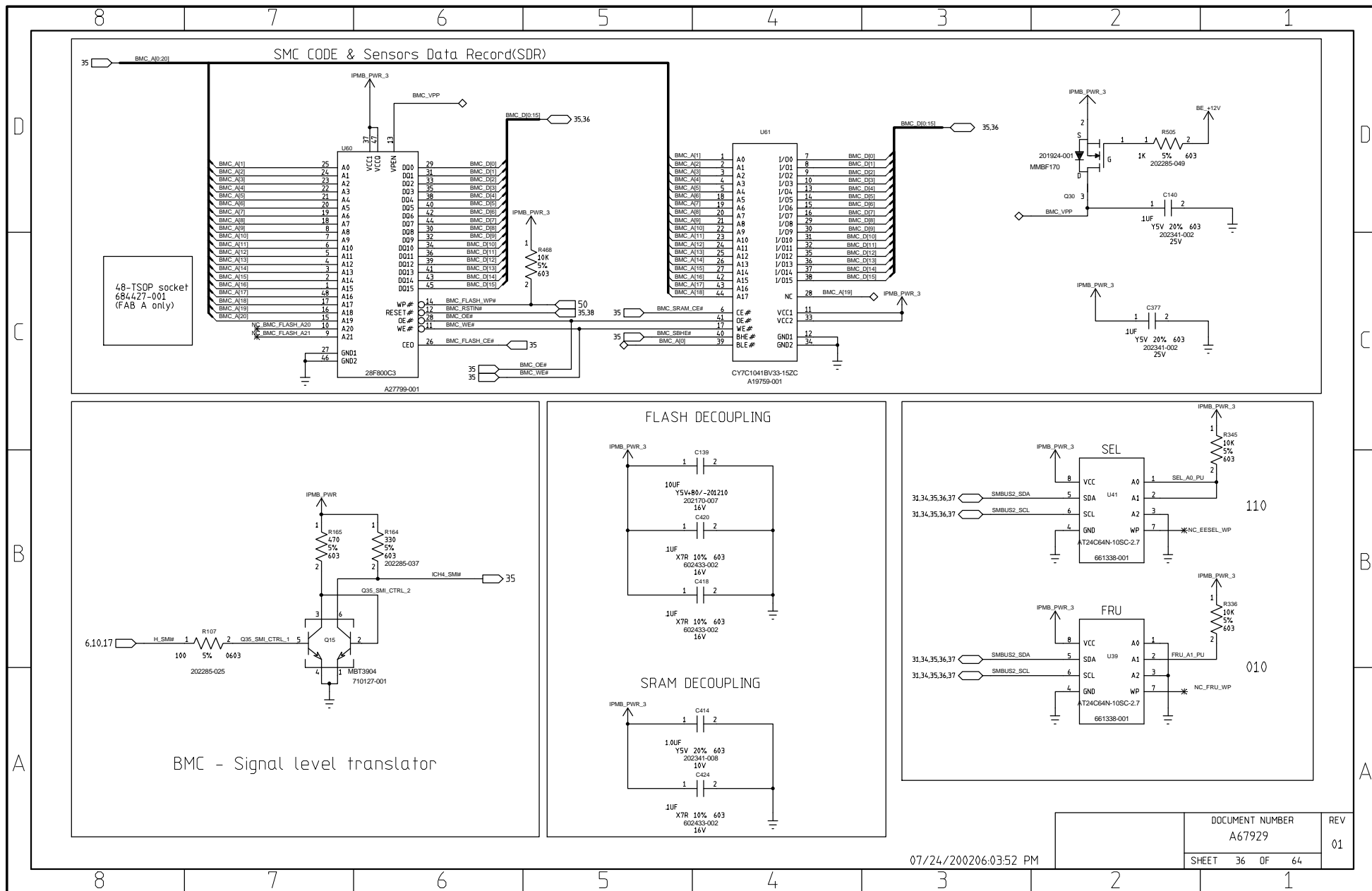




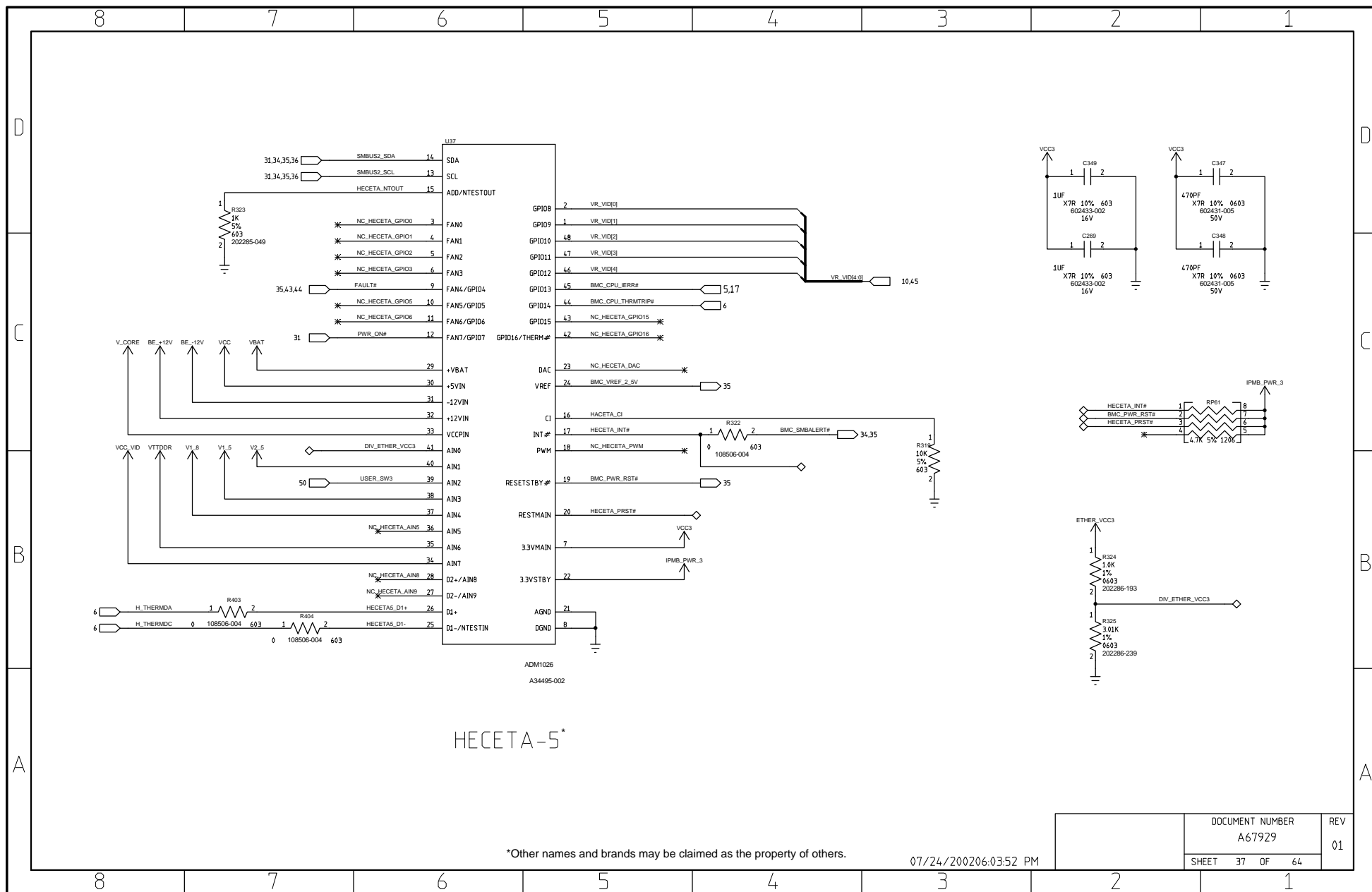








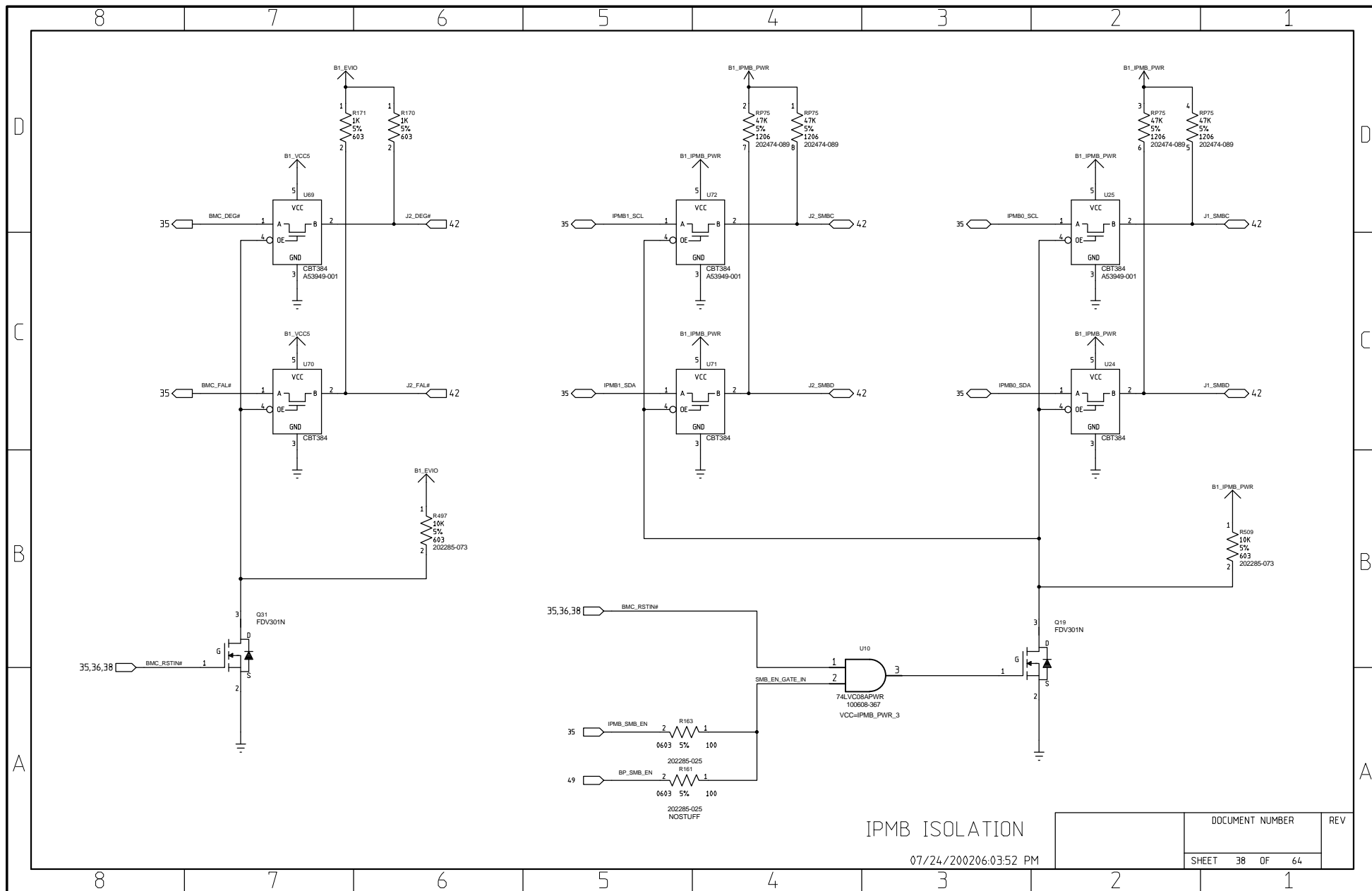




\*Other names and brands may be claimed as the property of others.

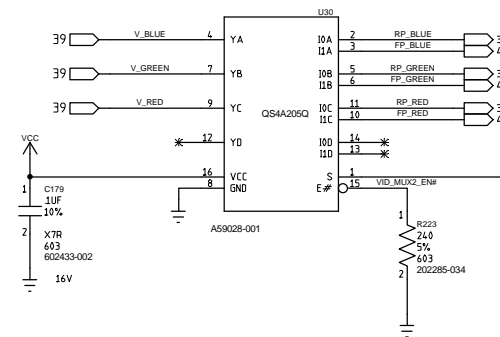
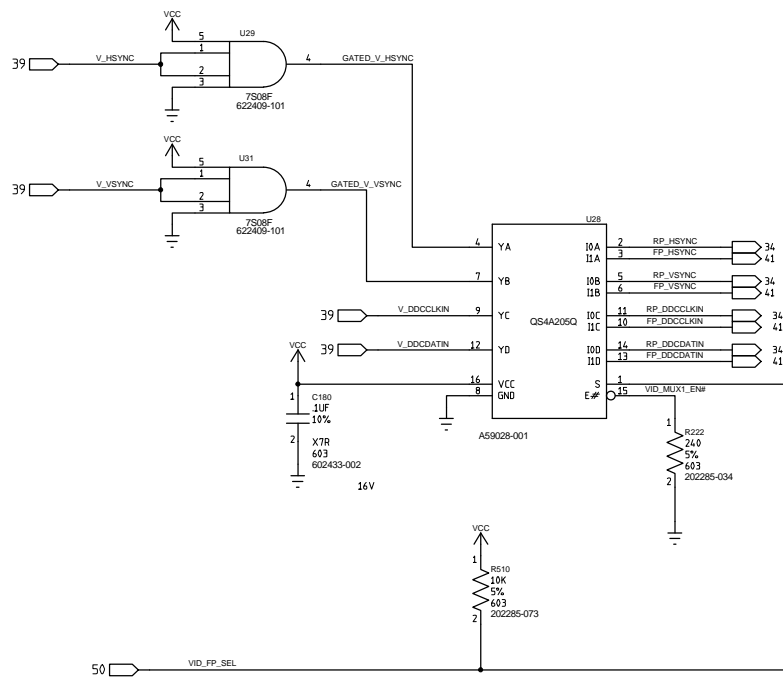
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SHEET	37 OF 64	



DOCUMENT NUMBER		REV
SHEET	38 OF 64	1





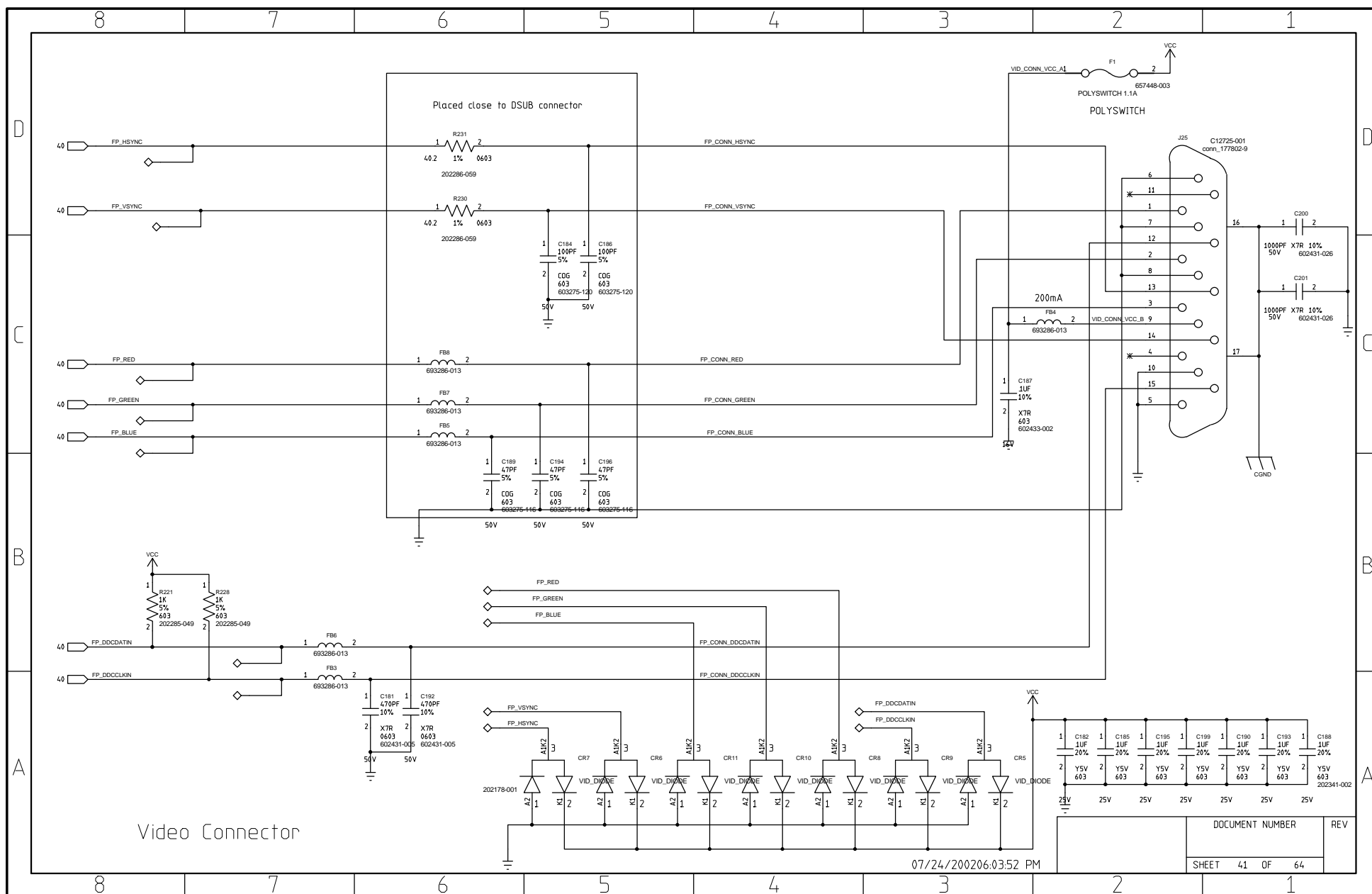
Video MUXes

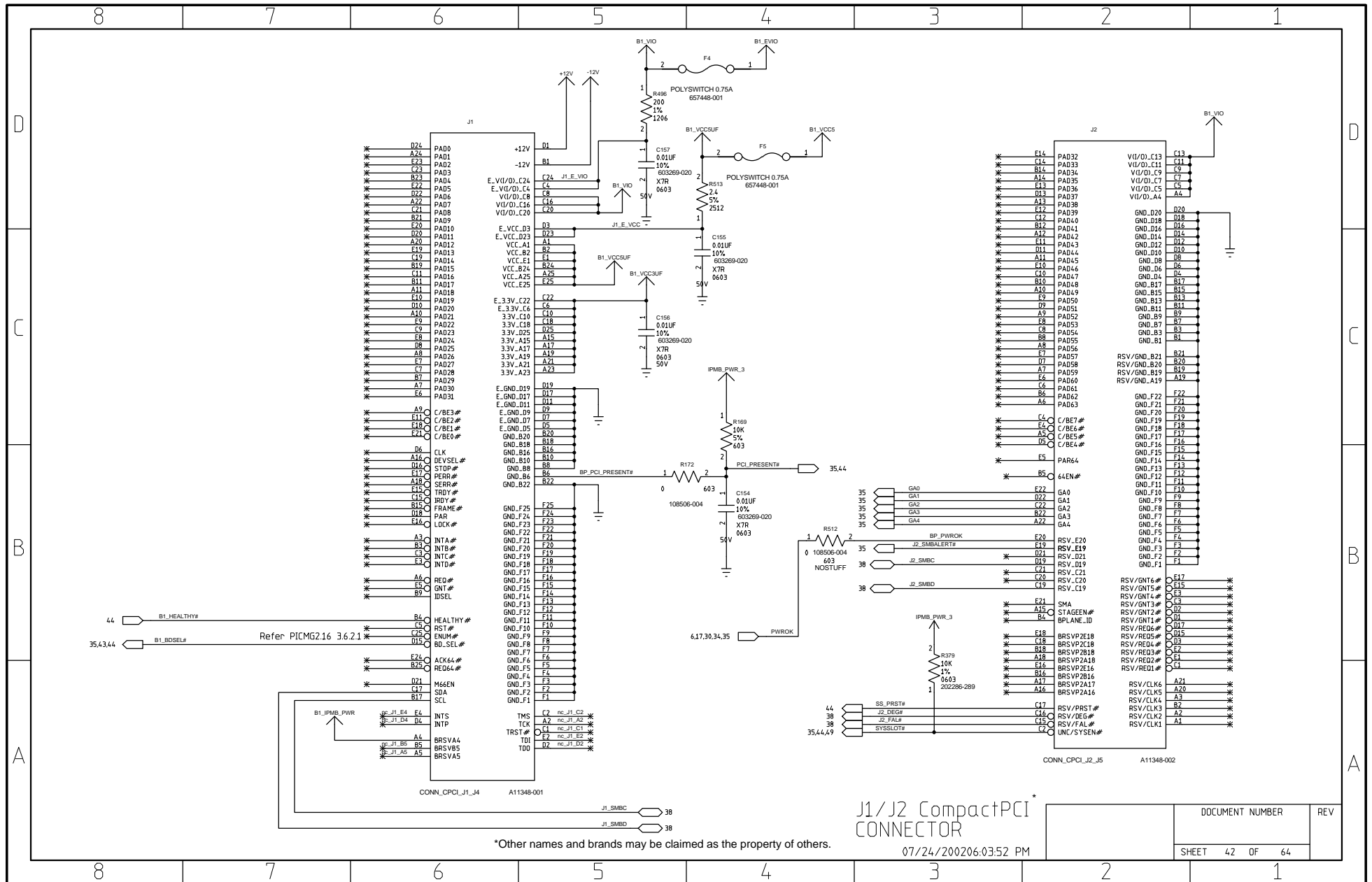
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DOCUMENT NUMBER

REV

SHEET 40 OF 64





\*Other names and brands may be claimed as the property of others.

J1/J2 CompactPCI  
CONNECTOR

07/24/200206:03:52 PM

DOCUMENT NUMBER	REV
SHEET 42 OF 64	1







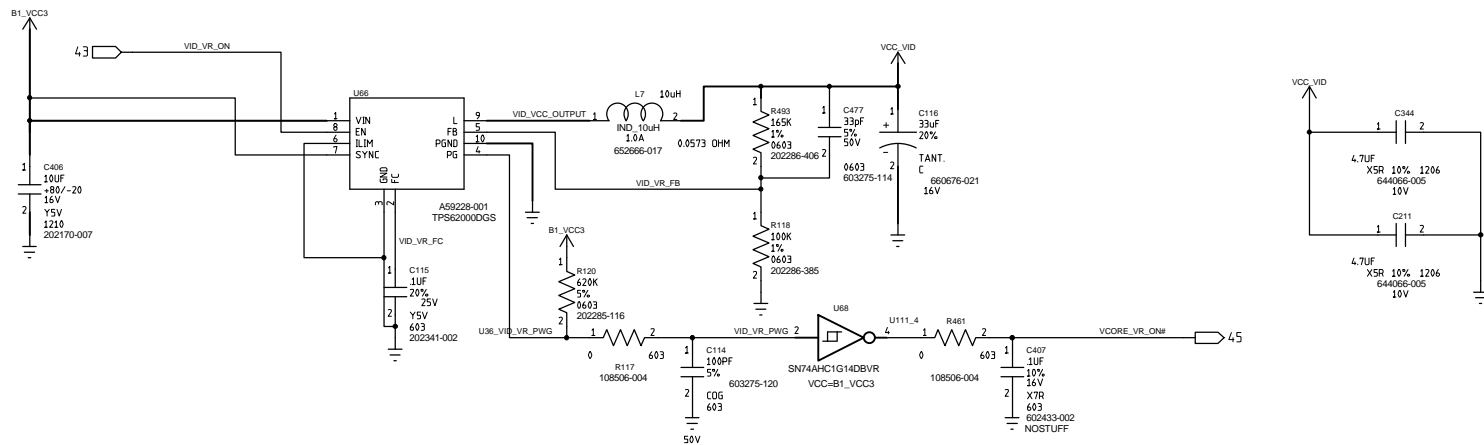
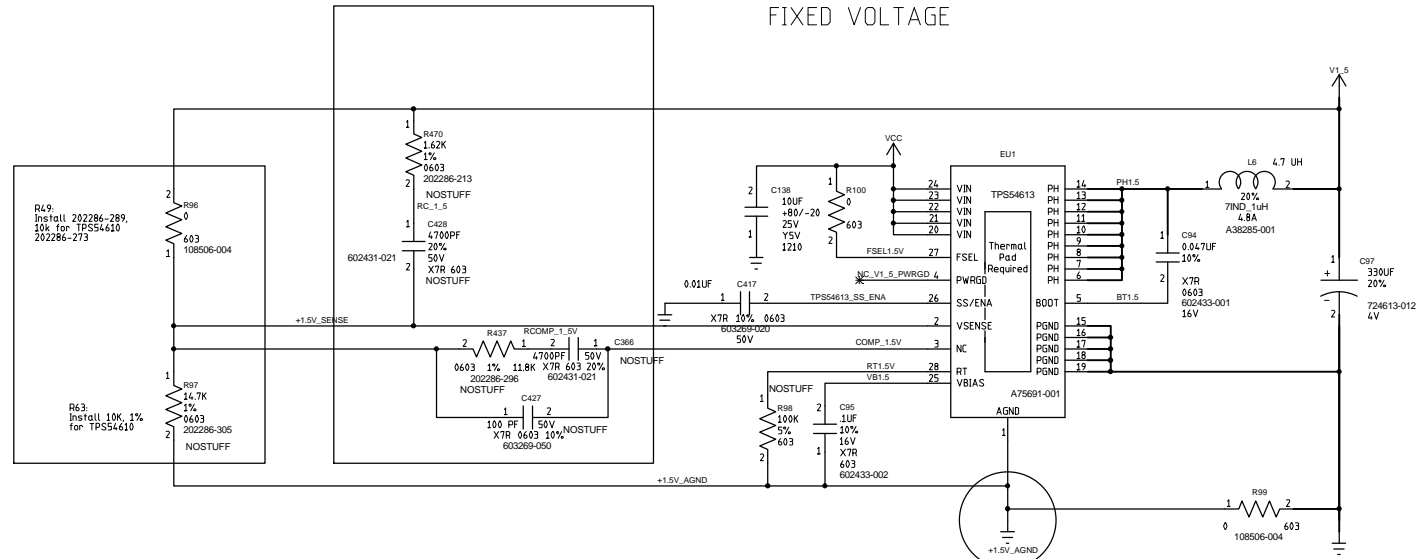




05/10/200204:04:14 PM

	DOCUMENT NUMBER	REV
	SHEET 46 OF 64	

# 1.5V Power Supply FIXED VOLTAGE

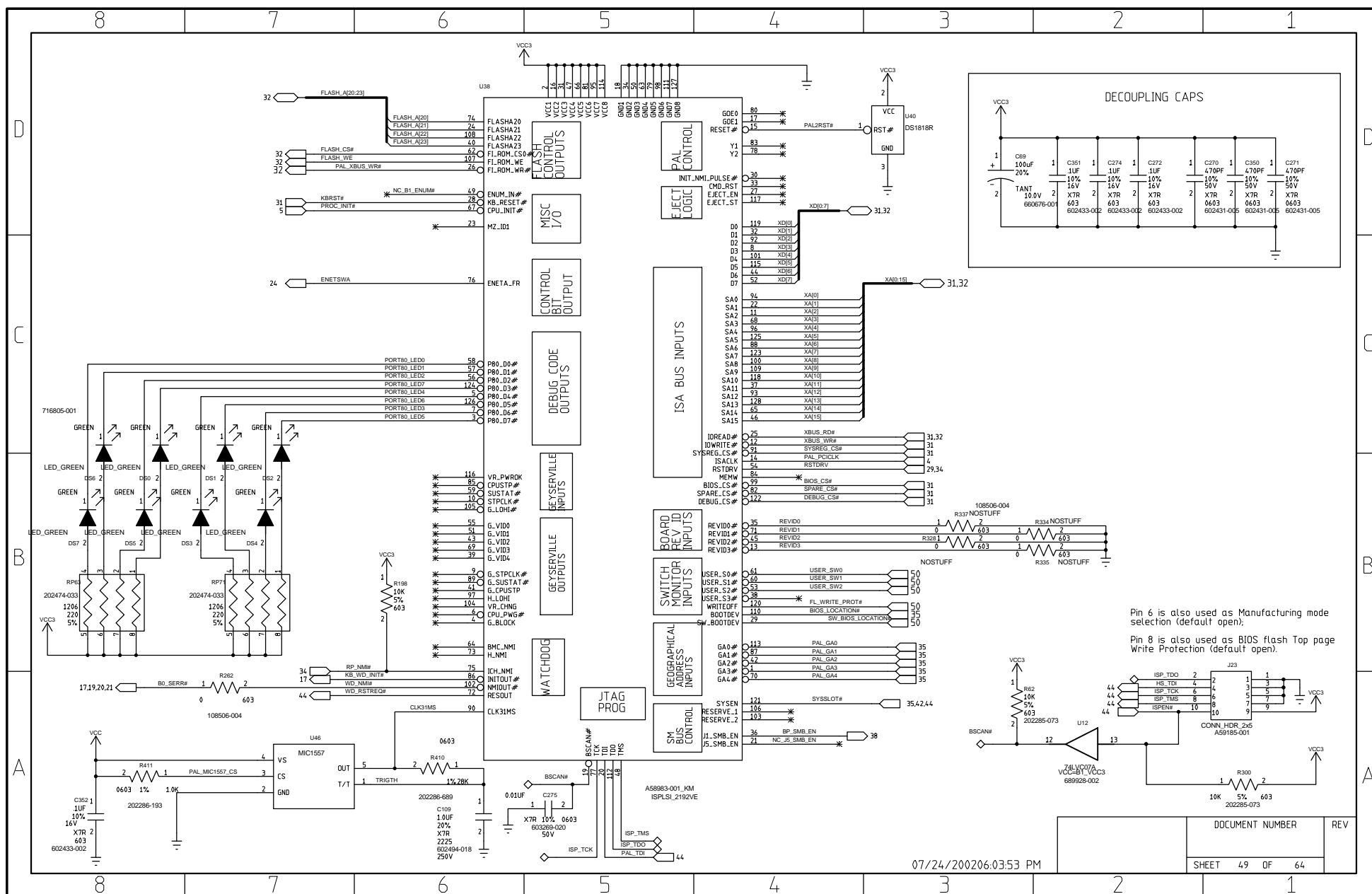


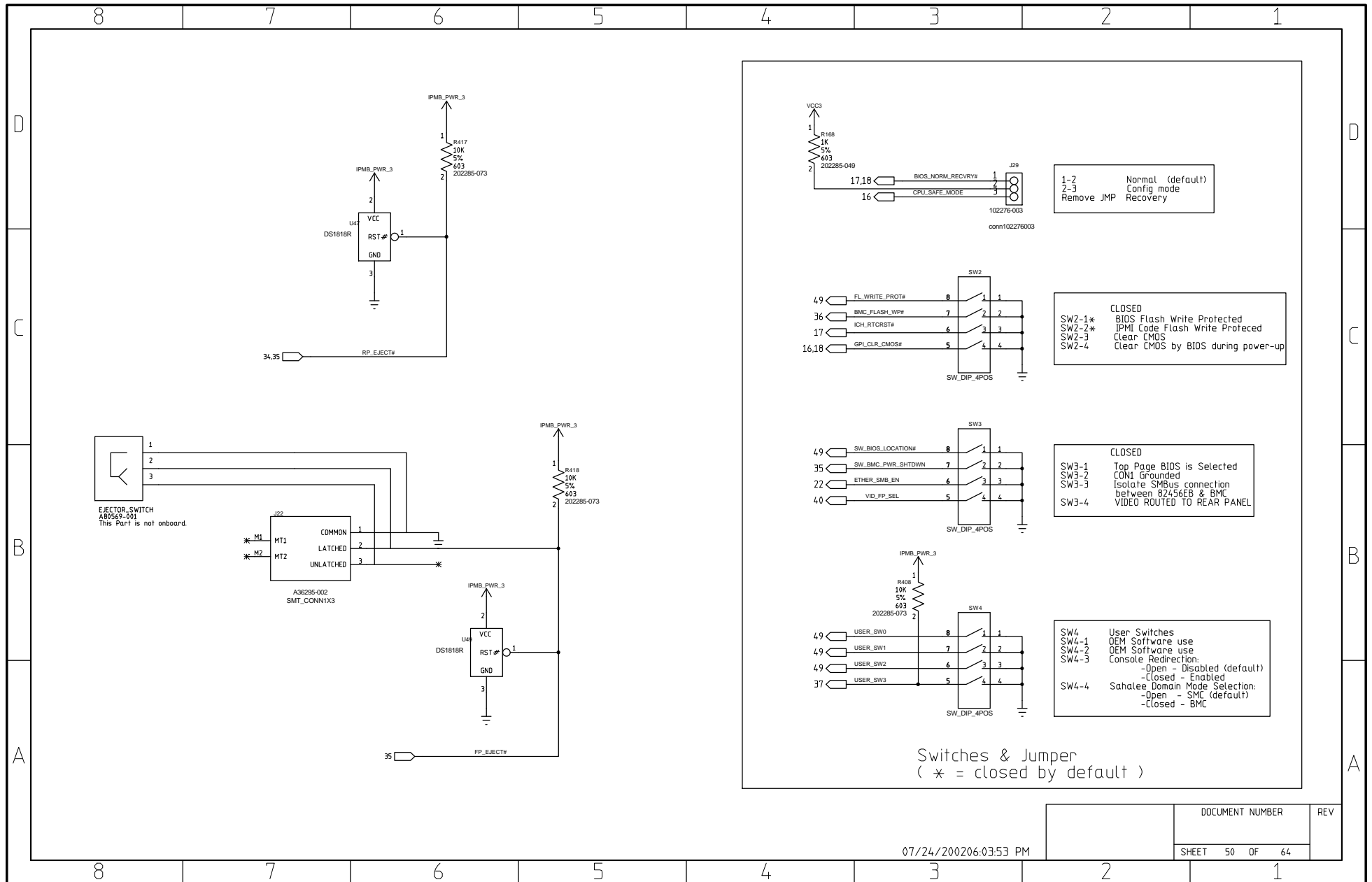
VCC\_VID Power Supply (1.2V, 600mA)

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DOCUMENT NUMBER	REV
SHEET 47 OF 64	





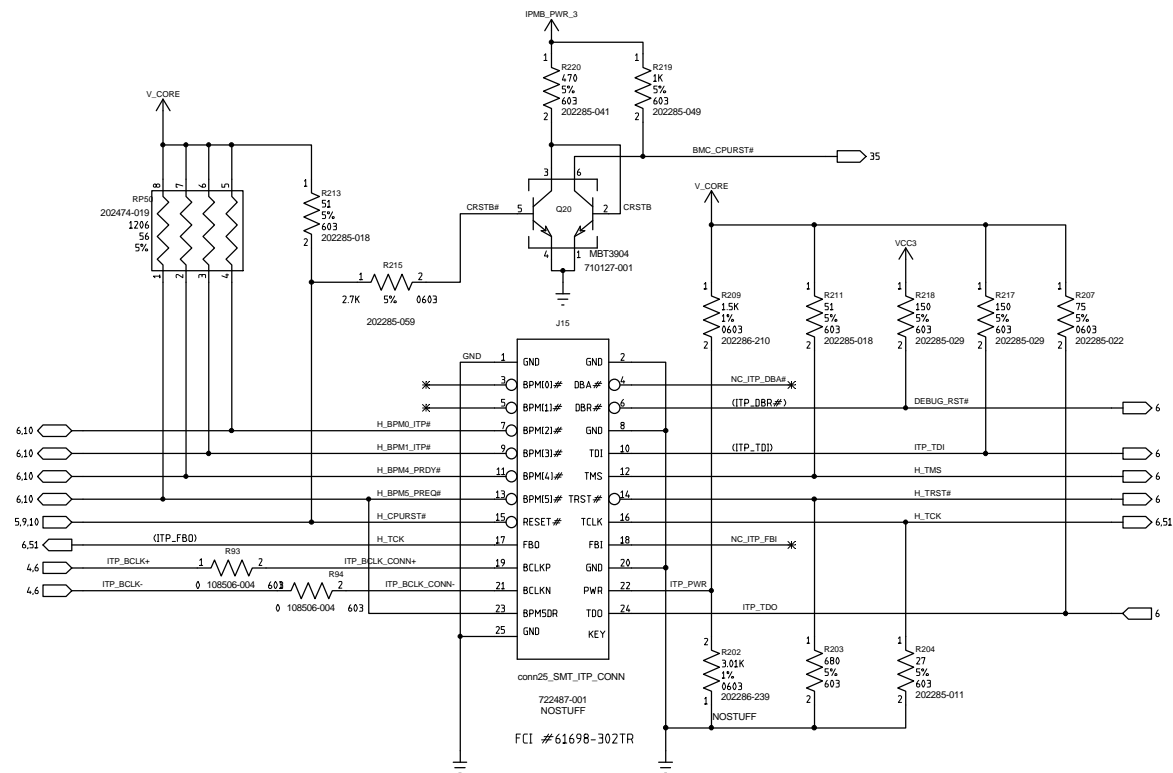


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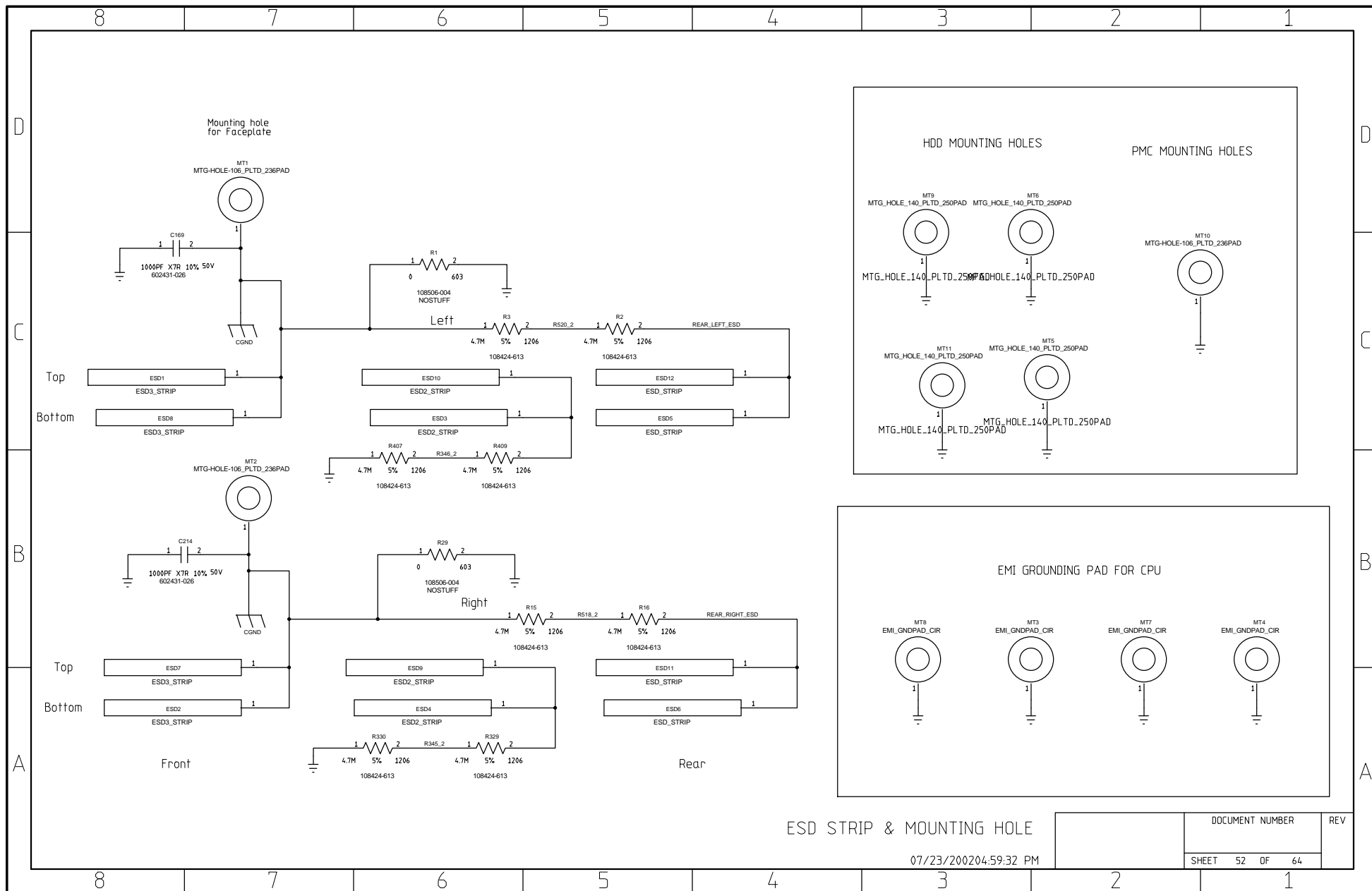
SHEET 50 OF 64



# PROCESSOR ITP DEBUG PORT CONNECTOR

07/24/200206:03:53 PM

DOCUMENT NUMBER			REV
SHEET	51	OF 64	



ESD STRIP & MOUNTING HOLE

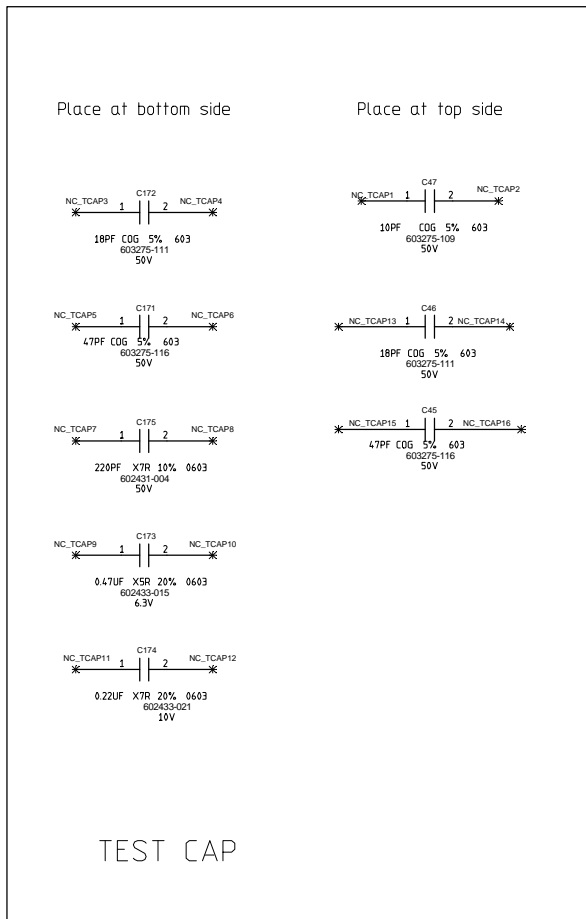
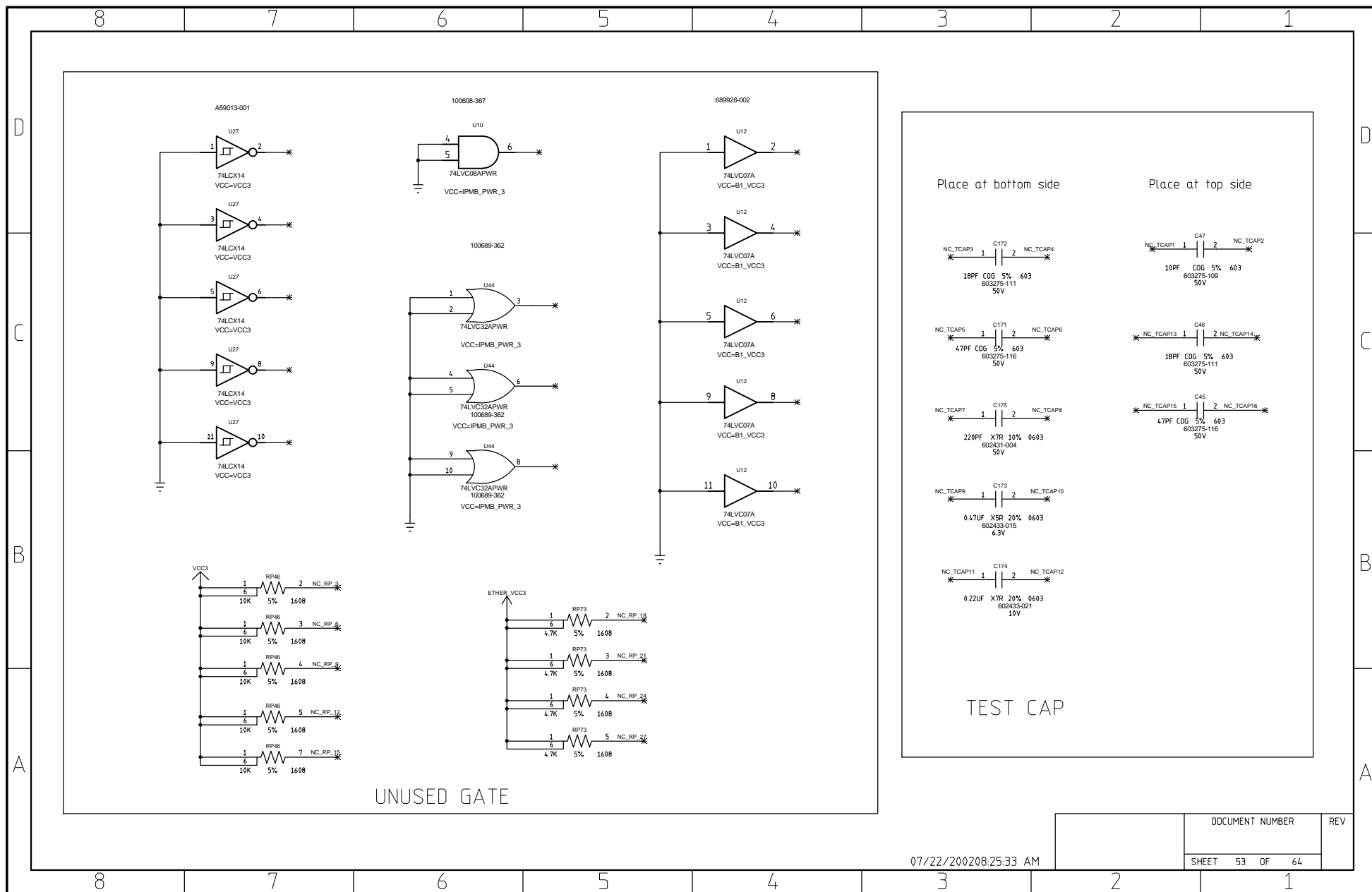
07/23/2002 04:59:32 PM

DOCUMENT NUMBER

REV

SHEET 52 OF 64





07/22/200208:25:33 AM

DOCUMENT NUMBER	REV
SHEET 53 OF 64	

1

B

D

A

05/23/2002 11:39:27 AM



8		7		6		5		4		3		2		1	
D		GIGENET_SMBALRT# 35		GND 20		GND 32		GND 43		GND 53		H.BYPASSEN# 6			
		GND 20		GND 32		GND 43		GND 53		H.COMPO 6					
C		GND 20		GND 32		GND 43		GND 53		H.COMP1 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
B		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
A		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					
		GND 20		GND 32		GND 43		GND 53		H.CPUWRGD 6					







8		7		6		5		4		3		2		1	
D	VR_VID[4]	37		XDI31	32	XSIG080323	8	XSIG2111221	21	XSIG364056	36	XSIG390964	39		
	VR_VID[4]	45		XDI31	49	XSIG080330	8	XSIG211222	21	XSIG370250	37	XSIG390965	39		
	VBM_INTVCC	45		XDI4	31	XSIG080331	8	XSIG211223	21	XSIG380093	38	XSIG390966	39		
	VM_INTVCC	32		XDI4	32	XSIG080332	8	XSIG211224	21	XSIG380112	38	XSIG390967	39		
C	VTTDDR	13		XDI4	32	XSIG080333	8	XSIG211236	21	XSIG380097	38	XSIG390968	39		
	VTTDDR	13		XDI4	32	XSIG080334	8	XSIG211339	21	XSIG380098	38	XSIG390969	39		
	VTTDDR	13		XDI5	31	XSIG080335	8	XSIG211440	21	XSIG380099	38	XSIG390970	39		
	VTTDDR	15		XDI5	32	XSIG080336	8	XSIG211441	21	XSIG380100	38	XSIG390971	39		
B	VTTDDR	15		XDI5	32	XSIG080337	8	XSIG211442	21	XSIG380101	38	XSIG390972	39		
	VTTDDR	37		XDI5	49	XSIG080338	8	XSIG211388	21	XSIG380102	38	XSIG390973	39		
	VTTDDR	44		XDI6	31	XSIG080339	8	XSIG211389	21	XSIG380103	38	XSIG390974	39		
	WD_NMI#	49		XDI6	32	XSIG080340	8	XSIG220815	22	XSIG380104	38	XSIG390975	39		
A	WD_RSTRED#	49		XDI6	32	XSIG080341	8	XSIG220816	22	XSIG380105	38	XSIG390976	39		
	WDATA#	31		XDI7	49	XSIG080342	8	XSIG220817	22	XSIG380106	38	XSIG390977	39		
	WGATE#	31		XDI7	49	XSIG080343	8	XSIG220818	22	XSIG380107	38	XSIG390978	39		
	WGATE#	31		XDI7	49	XSIG080344	8	XSIG220819	22	XSIG380108	38	XSIG390979	39		
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	XA101	31		XDI7	32	XSIG080346	8	XSIG220821	22	XSIG380110	38	XSIG390981	39		
	XA101	31		XDI7	32	XSIG080347	8	XSIG220822	22	XSIG380111	38	XSIG390982	39		
	XA101	31		XDI7	32	XSIG080348	8	XSIG220823	22	XSIG380112	38	XSIG390983	39		
C	XA101	31		XDI7	32	XSIG080349	8	XSIG220824	22	XSIG380113	38	XSIG390984	39		
	XA101	31		XDI7	32	XSIG080350	8	XSIG220825	22	XSIG380114	38	XSIG390985	39		
	XA101	31		XDI7	32	XSIG080351	8	XSIG220826	22	XSIG380115	38	XSIG390986	39		
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